SONY®

DIGITAL BETACAM CAMCORDER

DVW-707/707P
DVW-709WS/709WSP
DVW-790WS/790WSP

SDI OUTPUT BOARD
BKDW-702

PICTURE CACHE BOARD
BKDW-703

IMAGE INVERTER BOARD
BKDW-704

Digital BETACAM™
Power HAD

MAINTENANCE MANUAL Part 1
1st Edition (Revised 2)

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠ WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

DVW-707 (SY)	Serial No. 10001 and Higher
DVW-707P (SY)	Serial No. 40001 and Higher
DVW-709WS (SY)	Serial No. 10001 and Higher
DVW-709WSP (SY)	Serial No. 40001 and Higher
DVW-790WS (SY)	Serial No. 10001 and Higher
DVW-790WSP (SY)	Serial No. 40001 and Higher

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

For the customers in the U.S.A. and Canada

RECYCLING NICKEL-CADMIUM BATTERIES

Nickel Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal.
Note: In some areas the disposal of nickel cadmium batteries in household or business trash may be prohibited.

RBRC (Rechargeable Battery Recycling Corporation) advises you about spent battery collection by the following phone number.

Call toll free number: 1-800-822-8837
(United States and Canada only)

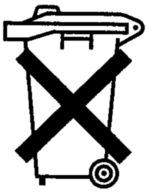
Caution: Do not handle damaged or leaking nickel-cadmium batteries.

Voor de klanten in Nederland

Dit apparaat bevat een MnO_2-Li batterij voor memory back-up.

Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.

Gooi de batterij niet weg. maar lever hem in als KCA.



Bij dit produkt zijn batterijen geleverd.
Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

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Manual Structure

Purpose of this manual

This manual is the Maintenance Manual Part 1 of the following models:

Digital Camcorder	DVW-790WS/709WS/707, DVW-790WSP/709WSP/707P
Sony SDI Output Board	BKDW-702
Sony Picture Cache Board	BKDW-703
Sony Image Inverter Board	BKDW-704 (For DVW-790WS/790WSP/709WS/ 709WSP only)

This manual is intended for use by trained system and service engineers, and provides the information that is required to the primary services, maintenance of this unit and installation of the optional boards (BKDW-702/703/704) .

Contents

This manual is organized by the following sections:

Section 1 Service Overview

Explains the locations of main parts, the functions of printed circuit boards, the removal and reinstallation of cabinet, and the measures against troubles.

Section 2 Diagnostics

Explains the error messages and self-diagnostics.

Section 3 Setup Menu

Explains the setup menu (engineering mode) and VTR (DIAG) menu of this unit.

Section 4 Camera System Electrical Alignment (Only for DVW-790WS/790WSP/709WS/709WSP)

Explains the electrical adjustments after installing/replacing the lens to/of the DVW-790WS/790WSP/709WS/709WSP.

Section 5 Camera System Electrical Alignment (Only for DVW-707/707P)

Explains the electrical adjustments after installing/replacing the lens to/of the DVW-707/707P.

Section 6 Block Diagrams and Circuit Description

Describes the overall block diagrams and circuit description.

Section 7 Periodic Maintenance and Inspection

Explains the cleaning procedures and periodic checks.

Section 8 Spare Parts

Describes the notes on spare parts and list of parts which need the periodic maintenance.

Section 9 Optional Boards Installation

Explains the installation procedure of optional boards (BKDW-702/703/704) to this unit.

Related manuals

Besides this "Maintenance Manual Part 1", the following manuals are available for this unit:

- **Operation Manual (Supplied with this unit)**
  This manual is necessary for application and operation of this unit.

- **Maintenance Manual Part 2 (available on request)**
  Volume-1 : Service Instructions
  Volume-2 : Parts List and Diagrams
  These manuals describe the information that premises the parts level service (adjustments, board layouts, schematic diagrams, detailed parts list, etc.) for this unit.
  If these manuals are required, contact your local Sony Sales Office/Service Center.

- **BVF-V10/V10CE or BVF-V20W/V20WCE**
  Maintenance Manual (available on request)
  This manual describes the service information of the supplied viewfinder.
  If this manual is required, contact your local Sony Sales Office/Service Center.

Section 1
Service Overview

1-1. Operating Conditions

Operating temperature	: 0 to 40 °C
Humidity	: 25 to 85 % (Relative humidity)
Storage temperature	: −20 to 60 °C

User under special environment (Measure for cold area) : The unit is guaranteed its operation under the temperature of 0 to 40 °C. When the unit is used under 0 °C, cover-cloth (part No. : 3-191-775-01) against the cold is recommended to use.

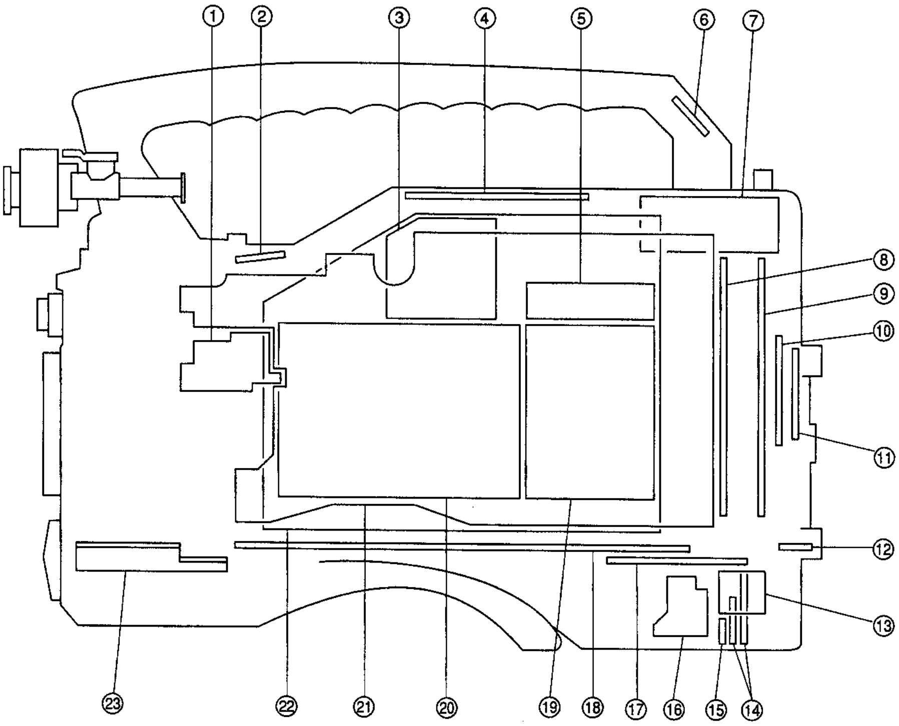
1-2. Supplied Accessories

Description	Part No.	Q'ty
Shoulder Belt Assembly	A-6772-374-C	1
Microphone	1-542-295-11	1
XLR Cap (1)	3-741-727-01	2
XLR Cap (2)	3-741-726-03	2
Operation Manual	–	1
Maintenance Manual Part 1	–	1

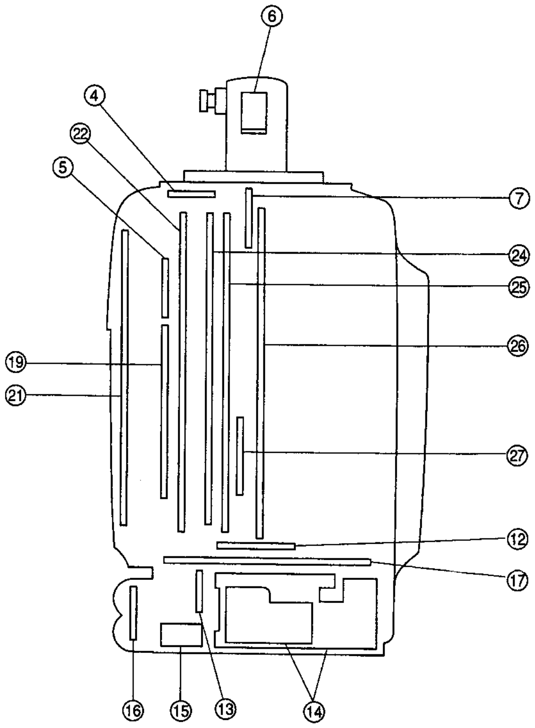
1-3. Main Part Locations and Circuit Functions

1-3-1. Printed Circuit Board Locations

AD-155	③	
AXM-21	⑭	
BC-31*1	㊱	
BC-32*2	㊱	
BF-74	⑤	
BI-96	㉝	
CI-20	⑪	
CI-21	⑩	
CN-1183	㊽	
CN-1573*1	⑲	
CNB-11	⑰	
CP-329	㉓	
CTL-10	㉙	
CUE-2	㊶	
DC-101	⑫	
DC-106	⑬	
DCP-17	㉒	
DIF-75	⑨	(BKDW-702)
DR-387	㊼	
DVP-14	㉔	
DVP-17	㉕	
ES-23	⑳	
FM-65*3	⑤	(BKDW-704)
HN-260	㉛	
HP-93	⑯	
IF-716	㊴	
IO-178	㊸	
KY-293	④	
LP-109	⑥	
LP-111	⑮	
MA-94	㊵	
MB-810	⑱	
MB-811	㉖	
MY-93	㉗	(BKDW-703)
PA-228	㉞	
PS-533	⑦	
RC-69*2	⑲	
RC-75*2	⑲	
RE-160	㊻	
RE-161	㊺	
RM-180	㊹	
SE-275	㉘	
SV-210	⑧	
SW-971	㊲	
SW-972	②	
SW-973	㉚	
SW-983	㊳	
TC-101	㉑	
TG-206*1	㉜	
TG-207*2	㉜	
VA-191	㉟	
VR-248	①	
VSE-32	㊷	



< Inside Panel View >



< Rear Panel View >

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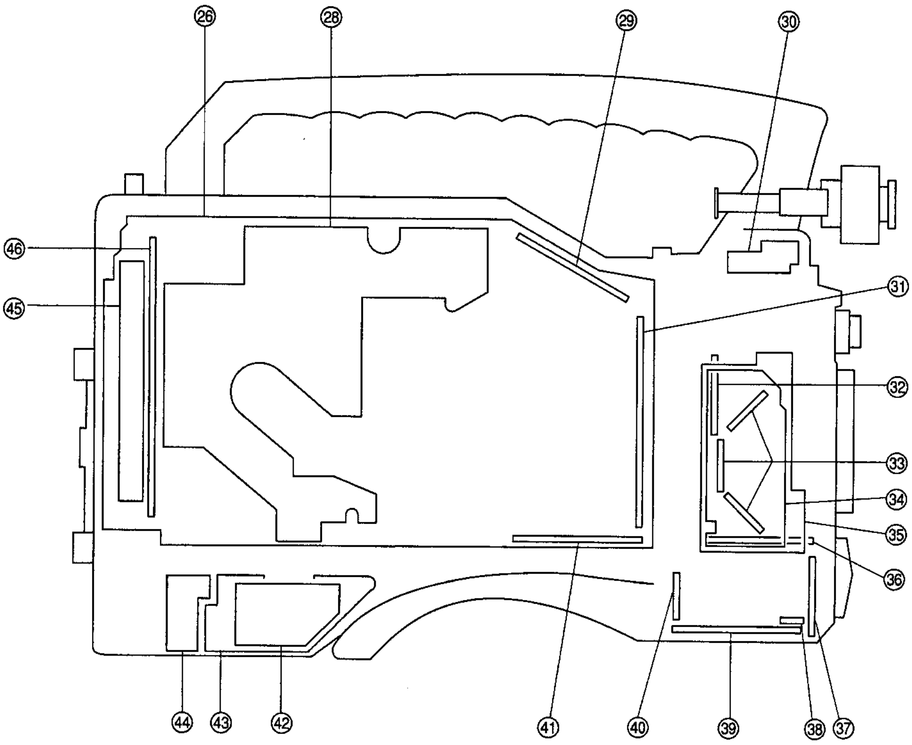
*1 : For DVW-707/707P only
*2 : For DVW-790WS/790WSP/709WS/709WSP only
*3 : Dedicated optional board for DVW-790WS/790WSP/709WS/709WSP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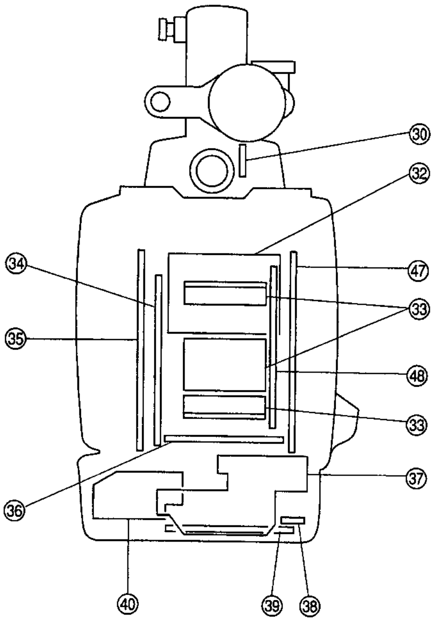
< Outside Panel View >

Inside Panel View : ① through ㉓
(Some boards are also indicated in
the Rear Panel View.)
Rear Panel View : ㉔ through ㉗
Outside Panel View : ㉘ through ㊻
(Some boards are also indicated in
the Front Panel View.)
Front Panel View : ㊼ and (48)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< Front Panel View >

1-3-2. Circuit Functions

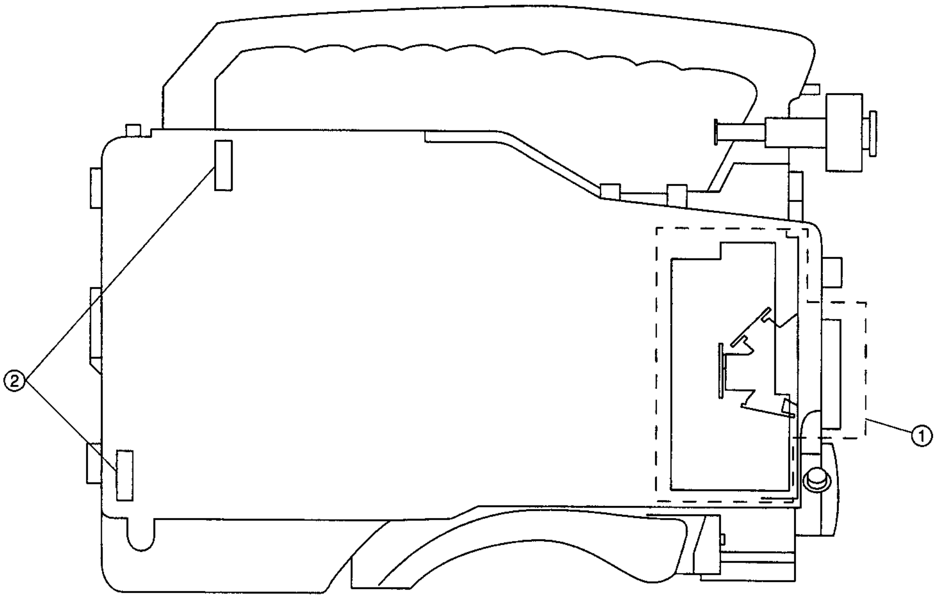
System	Board	Function
CCD BLOCK	BI-96	CCD Imager (R, G, B)
	CN-1183	Connector for BI-96
	DR-387	CCD Driver
	PA-228	Pre-amp (Sample & Hold)
	TG-206*1/TG-207*2	Timing Generator
	VA-191	Video Amp
CAMERA/VIDEO	AD-155	A/D Converter
	BF-74	Connector for DCP-17
	CN-1573*1	Connector for DCP-17
	RC-69*2+RC-75*2	Rate (16:9 to 4:3) Converter
	DCP-17	Camera Processor
	DVP-14	Digital Bit Reduction Decoder, Digital Encoder, Digital Decoder, Timing Clock Generator
	DVP-17	RF, Digital Audio Processor, System Controller for VTR Block
	ES-23	Composite Encoder
	TC-101	Analog Audio Processor, Time Code Generator
HEAD/SERVO	CTL-10	CTL/Erase Head Amp
	CUE-2	CUE Head Amp
	HN-260	Harness, Head Amp (REC Head PB)
	SV-210	Servo Controller
MICROPHONE	IF-716	Lens Control, Mic Amp
	MA-94	Camera Mic Pre-amp
	SW-971	Mic Level, Auto White/Black SW, VTR Start/Stop SW, Shutter On/Off Select SW
POWER SUPPLY	DC-101	Battery DC Filter
	PS-533	Power Supply (Light)
	RE-160	Regulator
	RE-161	Regulator, Switching Control
CONNECTOR BOX	AXM-21	Connector (AUDIO IN/OUT), Audio Pre-amp
	CNB-11	Circuit Breaker
	DC-106	External DC Filter
	IO-178	Connector (GEN LOCK IN, TEST OUT, TC IN, TC OUT)
	LP-111	Rear Tally
	RM-180	Connector (RM)
	VSE-32	GENLOCK IN Filter

*1 : For DVW-707/707P only
*2 : For DVW-790WS/790WSP/709WS/709WSP only

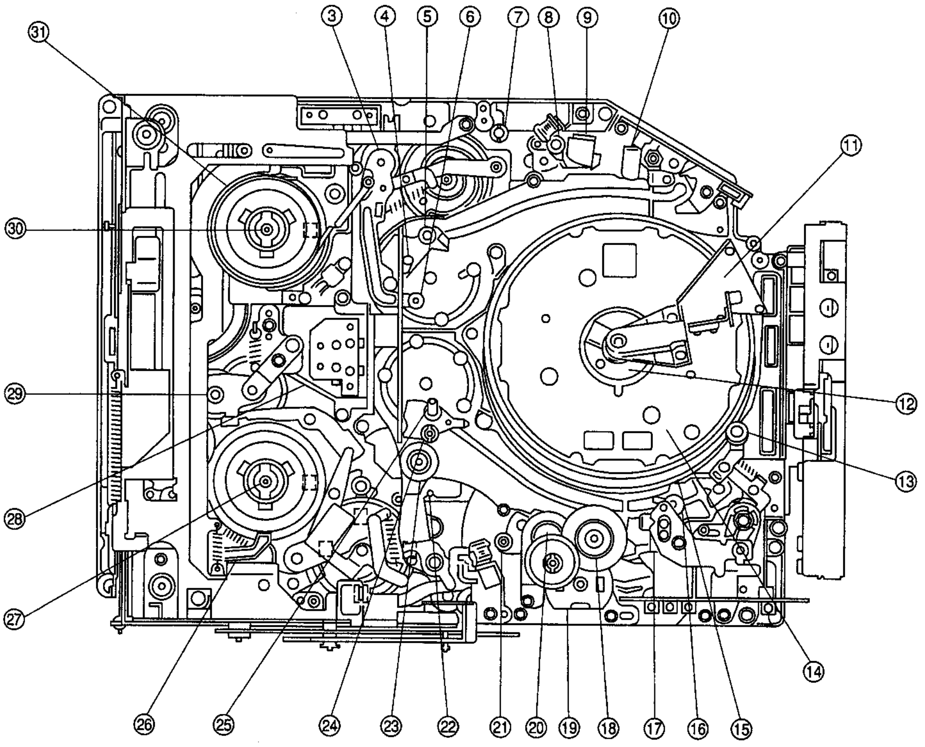
System	Board	Function
OTHERS	CI-20	Connector (40-pin)
	CI-21	40-pin Adaptor Interface
	CP-329	Switch Panel
	HP-93	Earphone
	KY-293	Function Key
	LP-109	Back Tally, Back Tally Switch
	MB-810	Motherboard
	MB-811	Motherboard
	SE-275	Sensor
	SW-972	Turbo Gain Switch
	SW-973	Menu and Light Auto/Manual Switch
	SW-983	Rotary Encoder Switch
	VR-248	Memory Card, Audio Select Switch, Alarm Level, Monitor Level
OPTION	FM-65*3 (BKDW-704)	Image Inverter Board
	DIF-75 (BKDW-702)	SDI Output Board
	MY-93 (BKDW-703)	Picture Cache Board

*3 : Dedicated optional board for DVW-790WS/790WSP/709WS/709WSP.

1-3-3. Mechanical Part Locations



Mechanical Deck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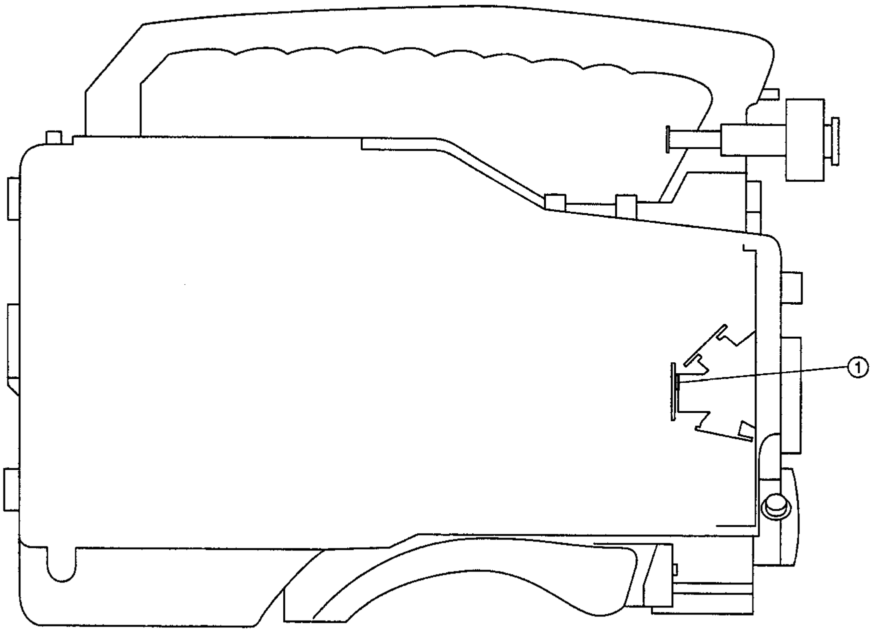
① CCD block
② DC fan motor
③ Tension regulator arm
④ S1 tape guide (on S slider)
⑤ S2 tape guide (on S slider)
⑥ Tension regulator guide (S4 tape guide)
⑦ S5 tape guide
⑧ S3 tape guide
⑨ Full erase head
⑩ CTL head
⑪ Brush
⑫ Slip ring
⑬ Video head cleaner
⑭ Upper drum
⑮ Lower drum
⑯ CUE head cleaner
⑰ CUE/TC head
⑱ Manual eject knob
⑲ Threading motor
⑳ Capstan motor
㉑ T3 tape guide
㉒ T drawer guide
㉓ Pinch roller
㉔ T2 tape guide (on T slider)
㉕ T1 tape guide (on T slider)
㉖ T soft brake
㉗ T reel table
㉘ Timing belt
㉙ Gear
㉚ S reel table
㉛ Brake band

1-3-4. Sensor Locations and Functions



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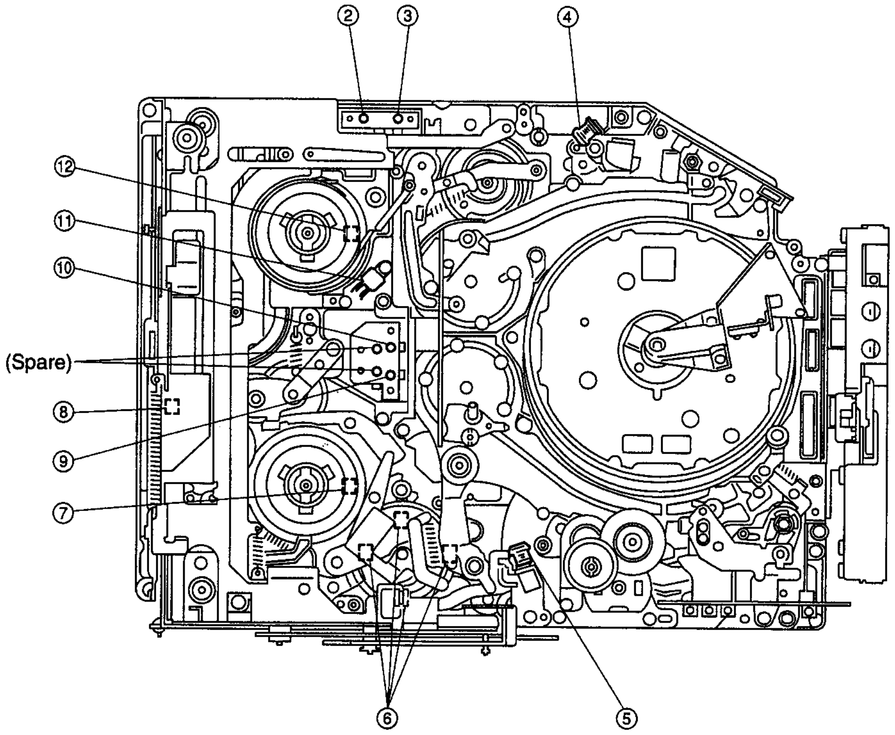
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① Temperature Detection Sensor
Detects the temperature, to perform the black correction.

② Cassette-in Sensor
Detects the existence of a cassette.

③ REC INHIBIT Sensor
Detects the REC inhibiting plug of the cassette tape.

④ Tape End Sensor
Detects the end of the tape that runs in the forward direction.

⑤ Tape Top Sensor
Detects the end of the tape that runs in the reverse direction.

⑥ Function Cam Sensor
Detects the rotation position of a cam.

⑦ Take-up Reel Table Rotating Sensor
Detects the rotation of the take-up reel table. The FG output signal of this sensor is input to a servo circuit so as to calculate the winding diameter of the tape.

⑧ Cassette Lock Sensor (Switch)
Detects that the cassette compartment was locked.

⑨ Tape Thickness Sensor
Using a tub on the back side of the cassette tape, this sensor detects the thickness of the tape wound on a cassette tape that is being inserted into the unit.

⑩ Reel Hub Diameter Sensor
The reel hub diameter of a cassette tape varies depending on the length of the tape wound on the cassette tape. The reel hub diameter sensor detects the reel hub diameter by the tab on the back side of the cassette tape. The output signal of this sensor is input to a servo circuit so as to calculate the winding diameter of the tape.

⑪ Condensation Sensor
Detects whether the dew condensation occurs in the unit.

⑫ Supply Reel Table Rotating Sensor
Detects the rotation of the supply reel table. The FG output signal of this sensor is input to a servo circuit so as to calculate the winding diameter of the tape.

1-4. Matching Connectors

When external cables are connected to the connector during maintenance, the hardware listed below (or the equivalents) must be used:

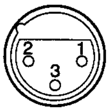
Panel Indication	**Matching Connector/Cable**	
	Name	**Part No.**
AUDIO IN CH-1/CH-2	XLR 3-pin, male	1-508-084-00
AUDIO OUT	Audio cable (XLR 5-pin – XLR 3-pin, 2 m)	SONY CCXA-53 or equivalent
GENLOCK IN TC IN TC OUT TEST OUT VIDEO OUT	BNC	1-569-370-12
DC IN	XLR 4-pin, female	1-508-362-00
DC OUT 12 V	DIN 4-pin, male	1-566-425-11
MIC IN +48 V	XLR 3-pin, male	1-508-084-00
REMOTE	8-pin, male	1-766-848-11
EARPHONE	Mini jack	Available separately
LIGHT	Power tap [OE]	ANTONBAUER 33710 or equivalent

1-5. Signal Inputs and Outputs

Inputs

GENLOCK IN	1.0 V p-p, 75 Ω
TC IN	0.5 V to 18 V p-p, 10 kΩ

MIC IN : XLR 3-pin, female

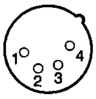


<External View>

Pin No.	Signal	Specification
1	MIC IN (G)	−60 dBu High impedance balance
2	MIC IN (X)	
3	MIC IN (Y)	

(0 dBu=0.775 Vrms)

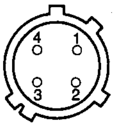
DC IN : XLR 4-pin, male



<External View>

Pin No.	Signal	Specification
1	GND	
2	–	
3	–	
4	EXT DC IN	DC 11 to 17 V

DC OUT 12V : DIN 4-pin, female



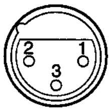
<External View>

Pin No.	Signal	Specification
1	UNREG GND	
2	–	
3	–	
4	UNREG +12 V OUT	0.1 A MAX

Outputs

TEST OUT	1.0 V p-p, 75 Ω, unbalanced
TC OUT	1.0 V p-p, 75 Ω
VIDEO OUT	1.0 V p-p, 75 Ω, unbalanced
EARPHONE	−∞ to −18 dBu, adjustable, 8 Ω

AUDIO IN CH1/CH2 : XLR 3-pin, female

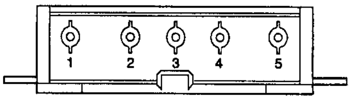


<External View>

Pin No.	Signal	Specification
1	LINE/MIC IN (G)	+4 dBu/−60 dBu High impedance balance
2	LINE/MIC IN (X)	
3	LINE/MIC IN (Y)	

(0 dBu=0.775 Vrms)

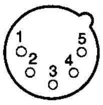
BATT IN : 5-pin, male



<External View>

Pin No.	Signal	Specifications
1	BATT IN (–)	
2	BATT IND IN	
3	BATT REM IN	
4	LIGHT CONT OUT	
5	BATT IN (+)	DC11 to 17 V

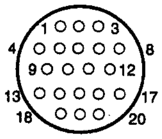
AUDIO OUT : XLR 5-pin, male



<External View>

Pin No.	Signal	Specifications
1	GND	
2	CH1 (X) OUT	0 dBm (Terminated in 600 Ω)
3	CH1 (Y) OUT	
4	CH2 (X) OUT	
5	CH2 (Y) OUT	

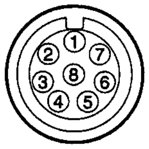
VF : 20-pin, female



<External View>

Pin No.	Signal	Specifications
1	VTR SAVE OUT	L : Light on, OPEN : Light off
2	ABNORMAL OUT	L : Light on, OPEN : Light off
3	16:9/4:3 OUT	H : NORMAL (4:3) L : WIDE (16:9)
4	REC (L) OUT	H : Light on, L : Light off
5	COLOR VF DET IN	H : Color, L : B/W
6	CCIR/EIA OUT	H : CCIR, L : EIA
7	DISPLAY ON IN	OPEN : ON, L : OFF
8	G TALLY OUT	H : Light on, L : Light off
9	–	
10	Y (X) OUT	1 Vp-p, VF : Zi=1 kΩ
11	ZEBRA ON IN	H : OFF, L : ON
12	VIDEO (X) OUT	1 Vp-p, VF : Zi=1 kΩ
13	AUDIO CTL IN	
14	B-Y (Y) OUT	700 mVp-p, VF : Zi=1 kΩ, 75% color-bars
15	R-Y (X) OUT	700 mVp-p, VF : Zi=1 kΩ, 75% color-bars
16	BATT IND OUT	H : Light on, L : Light off
17	REC/TALLY OUT	H : Light on, L : Light off
18	+9.3 OUT	REG +9.3 V
19	GND	
20	UNREG OUT	+11 V to 17 V

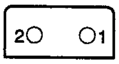
REMOTE : 8-pin, female



<External View>

Pin No.	Signal	Specifications
1	RM TX (+) OUT	
2	RM TX (–) OUT	
3	RM RX (+) IN	
4	RM RX (–) IN	
5	UNREG GND	
6	UNREG +12 V OUT	+11 V to 17 V
7	RM TEST (G) OUT	
8	RM TEST (X) OUT	1 Vp-p, Zo=75 Ω

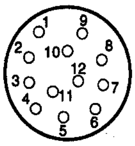
LIGHT : 2-pin, female



<External View>

Pin No.	Signal	Specifications
1	LIGHT +12 V OUT	50 W MAX
2	GND	

LENS: 12-pin, female



<External View>

Pin No.	Signal	Specifications
1	RET(SW) IN	L : ON, OPEN : OFF
2	VTR TRIG IN	L : ON
3	LENS GND	
4	AUTO +5 V IN	AUTO : +5 V MANU : 0 V or OPEN
5	IRIS CONT OUT	+3.4 V (F16) to +6.2 V (F2.8)
6	UNREG +12 V OUT	+11 V to 17 V
7	IRIS POSITION IN	+3.4 V (F16) to +6.2 V (F2.8)
8	REMOTE/LOCAL IN	
9	EXTENDER IN	EX 2 ON : 0 V EX 0.8 ON : +1.8 V OFF : +4.8 V
10	ZOOM POSITION IN	WIDE : 2 V TELE : 7 V
11	N.C	No connection
12	N.C	No connection

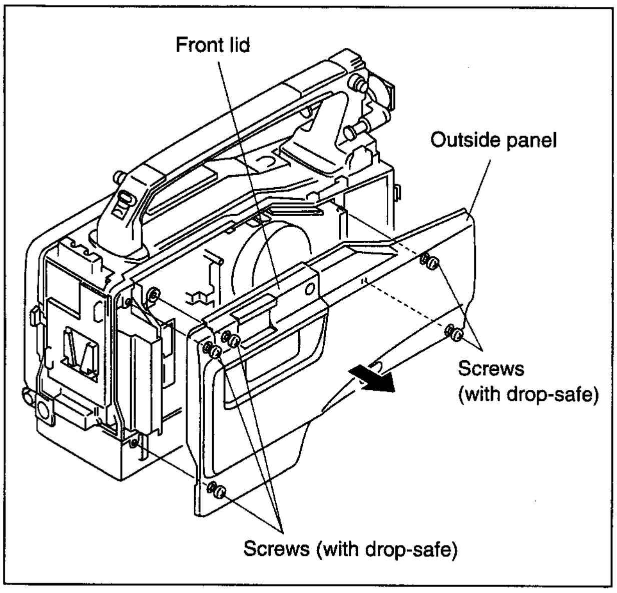
1-6. Removing/Reinstalling Outside Panel

Removing

Note

Be sure to turn off the power, and then disconnect the power cord and/or battery before performing the following steps. If not, damage to internal circuit may result.

1. Fully loosen the left screw (with drop-safe) of the front lid.
2. Fully loosen the four screws of the outside panel to remove the panel.

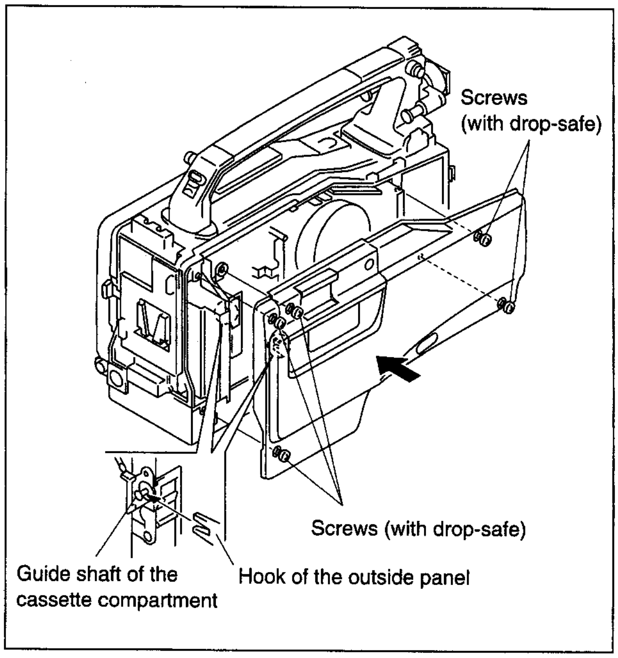

Front lid
Outside panel
Screws
(with drop-safe)
Screws (with drop-safe)

Reinstalling

1. Sliding the hook of the outside panel onto the guide shaft of the cassette compartment, install the outside panel.
2. Fasten the screws of the outside panel.

   Note

   Tightening Torque : 140 × 10^{-2} N•m {14.3 kgf•cm}


Screws
(with drop-safe)
Screws (with drop-safe)
Guide shaft of the
cassette compartment
Hook of the outside panel

1-7. Opening/Closing Inside Panel

Opening

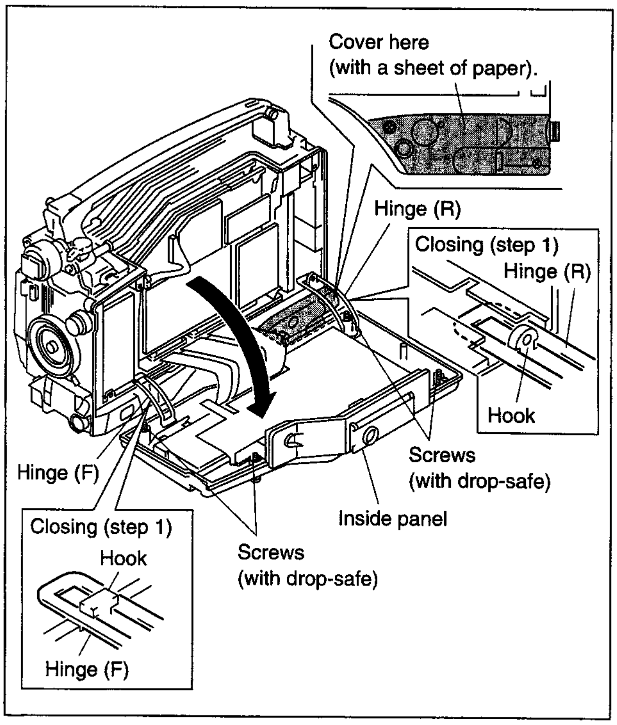
Notes

- To avoid damage to internal circuit, be sure to turn off the power, and then disconnect the power cord and/or battery before following the steps below.
- To protect the connector box from a damage by rubbing against the hinge, slip in a sheet of paper between the box and hinge when opening the inside panel.

1. Fully loosen the four screws (with drop-safe), and then open the inside panel in the direction of the arrow.

   Note

   Be careful not to bend the flexible wires connected to the TC-101 board intentionally.


Cover here
(with a sheet of paper).
Hinge (R)
Closing (step 1)
Hinge (R)
Hook
Screws
(with drop-safe)
Inside panel
Hinge (F)
Closing (step 1)
Hook
Hinge (F)
Screws
(with drop-safe)

Closing

1. Ensure that the hinges (F) and (R) are properly hitched on the hooks of chassis.
2. Close the inside panel, and then fasten the four screws (with drop-safe) to install the panel.

   Notes

   - Tightening Torque : 140 × 10^{-2} N•m {14.3 kgf•cm}
   - Be careful not to pinch harnesses between the inside panel and chassis.

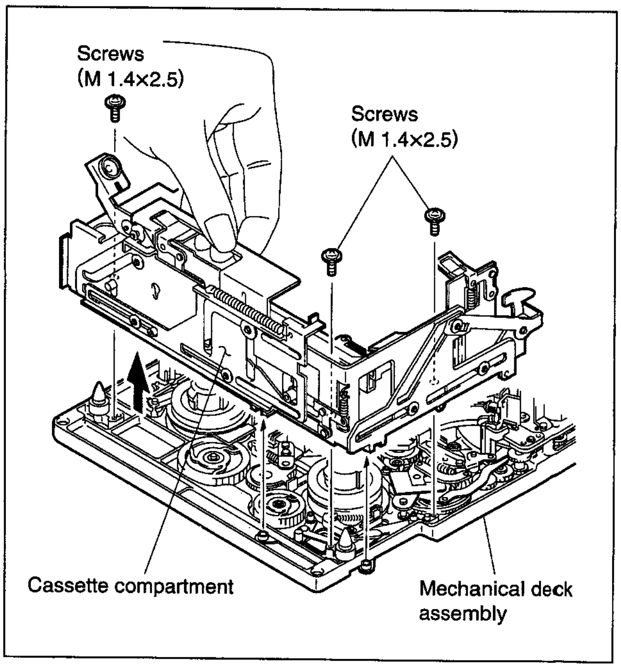
1-8. Removing/Reinstalling Cassette Compartment

Notes

- To avoid damage to internal circuit, be sure to turn off the power, and then disconnect the power cord and/or battery before following the steps below.
- The cassette compartment is removable in either of up or down position.

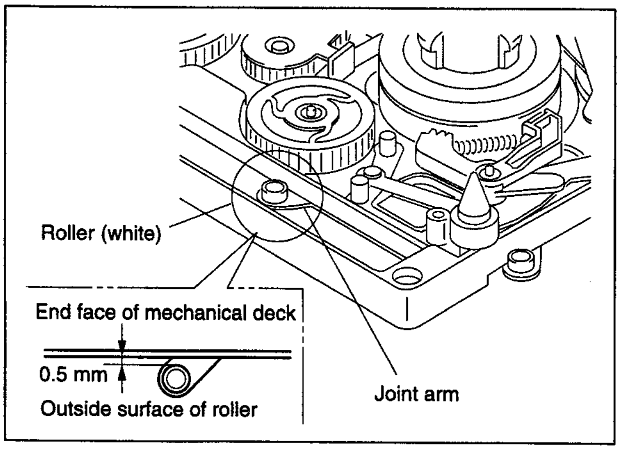
Removing

1. Remove the outside panel. (Refer to Section 1-6.)
2. Remove the three screws of the cassette compartment.
3. Grasp the cassette compartment by the portion shown in the figure and lift it out.

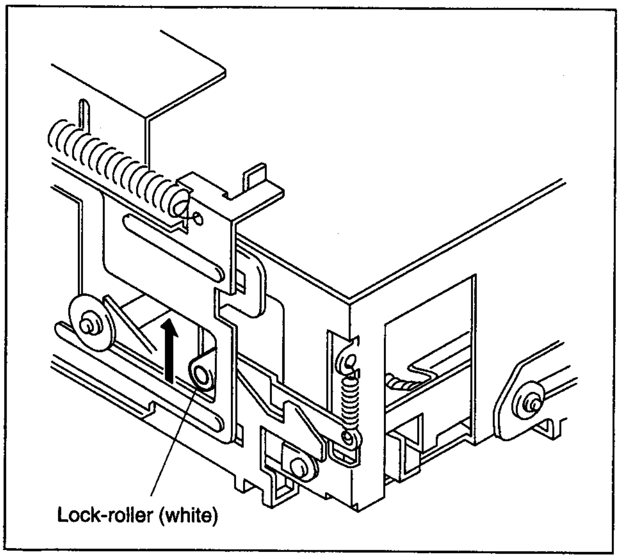

Screws
(M 1.4×2.5)
Screws
(M 1.4×2.5)
Cassette compartment
Mechanical deck
assembly

Reinstalling

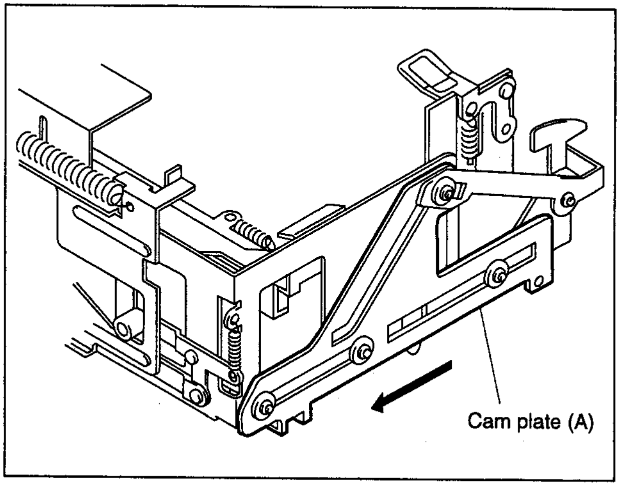
1. To create a clearance of 0.5 mm between the white roller of joint arm and the end face of mechanical deck, adjust the position of the joint arm.


Roller (white)
End face of mechanical deck
0.5 mm
Outside surface of roller
Joint arm

2. Slide the white lock-roller of cassette compartment in an upward direction.


Lock-roller (white)

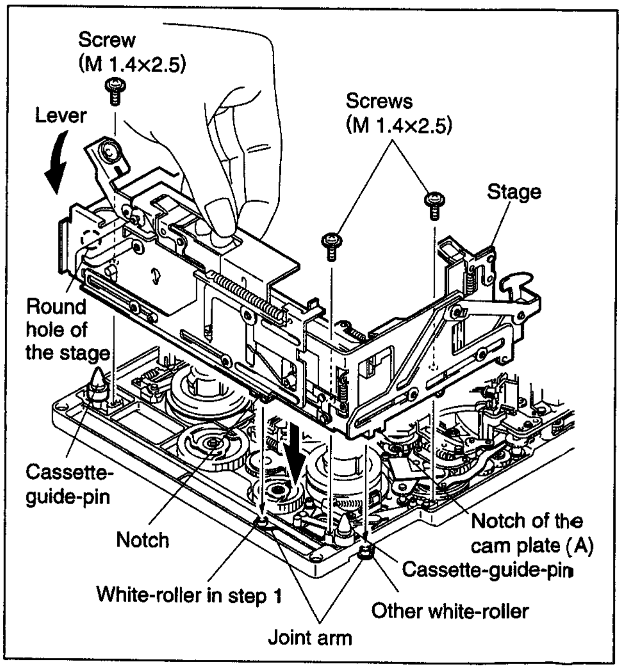
3. Slide the cam plate (A) on the right of the cassette compartment all the way of the arrow until it stops.



4. Grasp the cassette compartment by the portion shown in the figure and set it on the stage to insert the two cassette-guide-pins onto the round hole of the stage. Check that the other white-roller of joint arm positioned in step 1 is put in the notch of the cam plate (A) on the right side.
5. Push down the lever of the cassette compartment and check to see that the stage smoothly moves up and down. If not moved smoothly, recheck the steps 1 through 4.
6. Fasten the cassette compartment using the three screws.

Note

Tightening Torque : 9 × 10^{-2} N•m {0.9 kgf•cm}


Screw
(M 1.4×2.5)
Lever
Screws
(M 1.4×2.5)
Stage
Round hole of the stage
Cassette-guide-pin
Notch
White-roller in step 1
Joint arm
Notch of the cam plate (A)
Cassette-guide-pin
Other white-roller

1-9. Removing/Reinstalling Plug-in Boards

Be careful not to damage the board and to position and orient the board correctly when removing/reinstalling the plug-in boards.

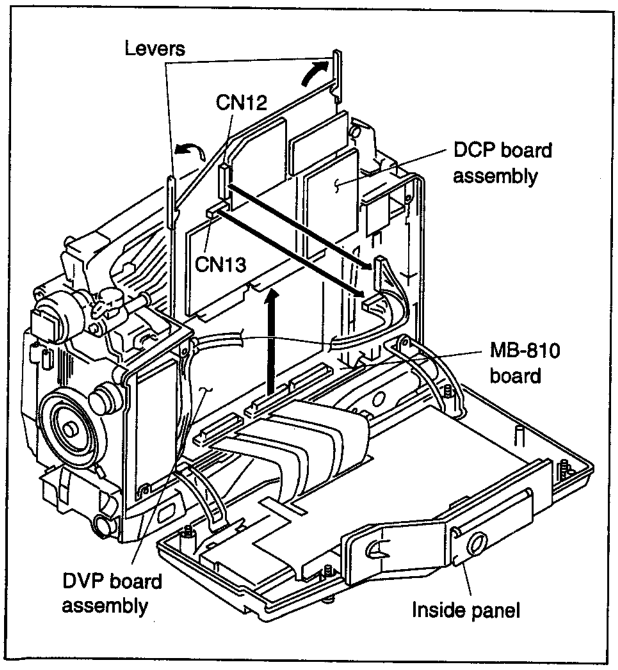
1-9-1. DCP/DVP Board Assembly

Notes

- When replacing the board, set the switches on the new board.
  DCP-17 board : Refer to Section 1-10-3.
  DVP-17 board : Refer to Section 1-10-4.
- After replacing the board, see the Maintenance Manual Part 2 Vol.1 and perform adjustments as follows :
  DCP-17 board : Sec. 7. Camera System Electrical Alignment
  DVP-17 board : Sec. 6-5. Video System Adjustment (Automatic Equalizer Adjustment and REC Current Adjustment)

Removing

1. Open the inside panel. (Refer to Section 1-7.)
2. Remove the harnesses from the connectors CN12 and CN13 on the DCP board assembly.
3. Open the levers to disconnect the DCP or DVP board assembly from the connectors on the MB-810 board.
4. Lift the DCP or DVP board assembly out.

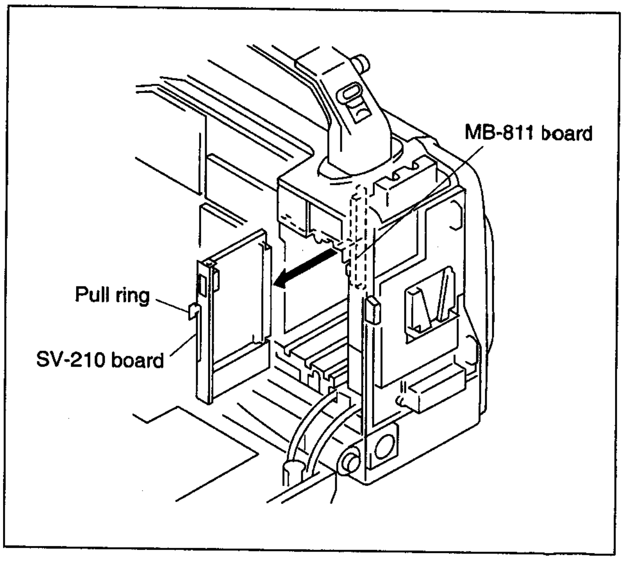


Reinstalling

1. Stay opens the levers of the board in advance.
2. Insert the DCP or DVP board assembly along the board guide rails.
3. After the shafts of levers get into the chassis, close the levers and press in the board to firmly connect it to the connector of the MB-810 board.
4. Reconnect the harnesses to the connectors CN12 and CN13 on the DCP board assembly.

1-9-2. SV-210 Board

1. Open the inside panel. (Refer to Section 1-7.)
2. Grasp the board by the pull ring and pull it out to disconnect the SV-210 board from the connectors of MB-811 board.



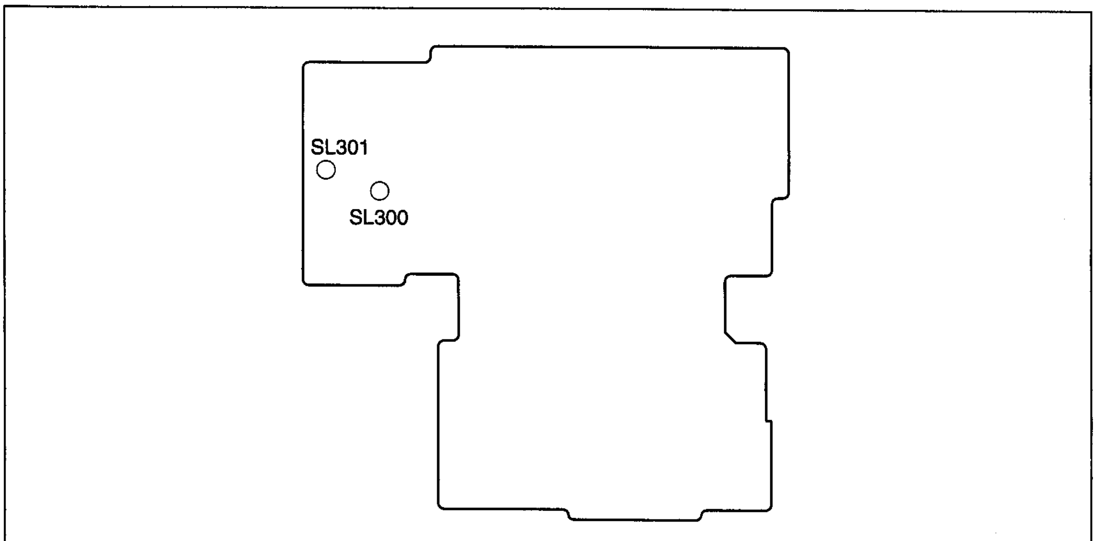
1-10. Switch/Slit Land Settings and LED Functions on the Boards

As for the external-switch settings, see Section "2. Locations and Functions of the Parts and Controls" in the Operation Manual.

Note

Never change the settings of switches specified "Factory use".

1-10-1. AXM-21 Board



AXM-21 B side

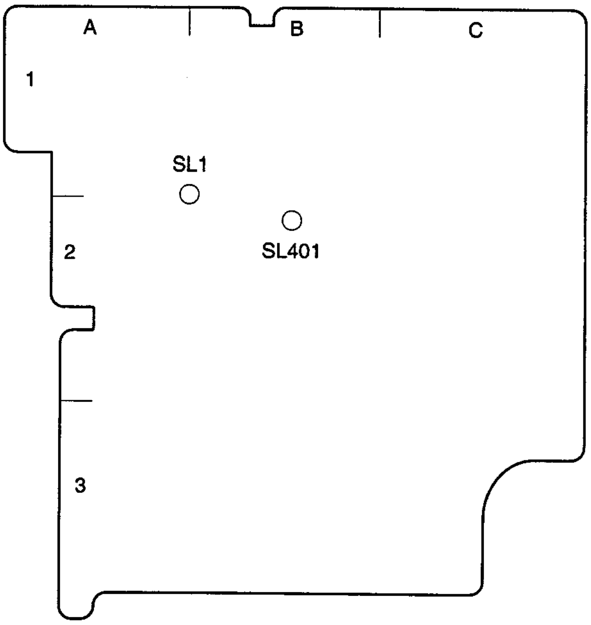
Slit Lands

Ref. No.	Name	Description	Factory setting
SL300	AUDIO OUT Select	OPEN : Output from the XLR 5-pin connector SHORT : Output from the XLR 3-pin connector *1	OPEN
SL301	AUDIO OUT Select	OPEN : Output from the XLR 3-pin connector *1 SHORT : Output from the XLR 5-pin connector	SHORT *2

*1 : If the AUDIO OUT connector (XLR 5-pin) is converted to XLR 3-pin connectors, set the slit lands as specified above. (The XLR 3-pin connectors are not supplied. Ready them separately.)

*2 : This slit land is short-circuited by the traces on the board. Therefore, the traces must be cut using a knife when the setting is changed.

1-10-2. CNB-11 Board



CNB-11 A side

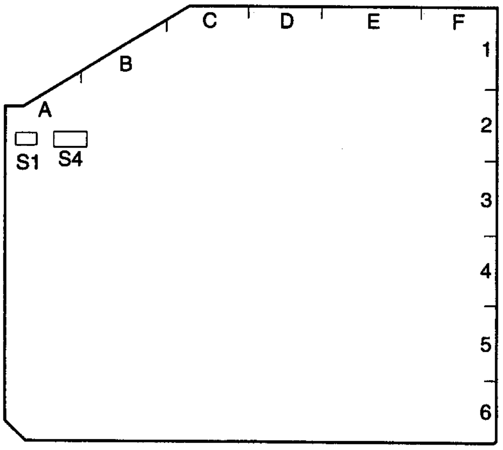
Slit Lands

Note

Set SL1 according to the destination when replacing the board.

Ref. No.	Description	Factory setting
SL1	Selects how the power is derived when the battery and external power supply are used simultaneously : OPEN : Always derived power from the external power supply. SHORT : Automatically derived power from either of the battery or external power supply which is in higher input-voltage.	OPEN
SL401	Destination Select OPEN : For the area except Japan SHORT : For Japan	OPEN (for except Japan) SHORT (for Japan)

1-10-3. DCP-17 Board

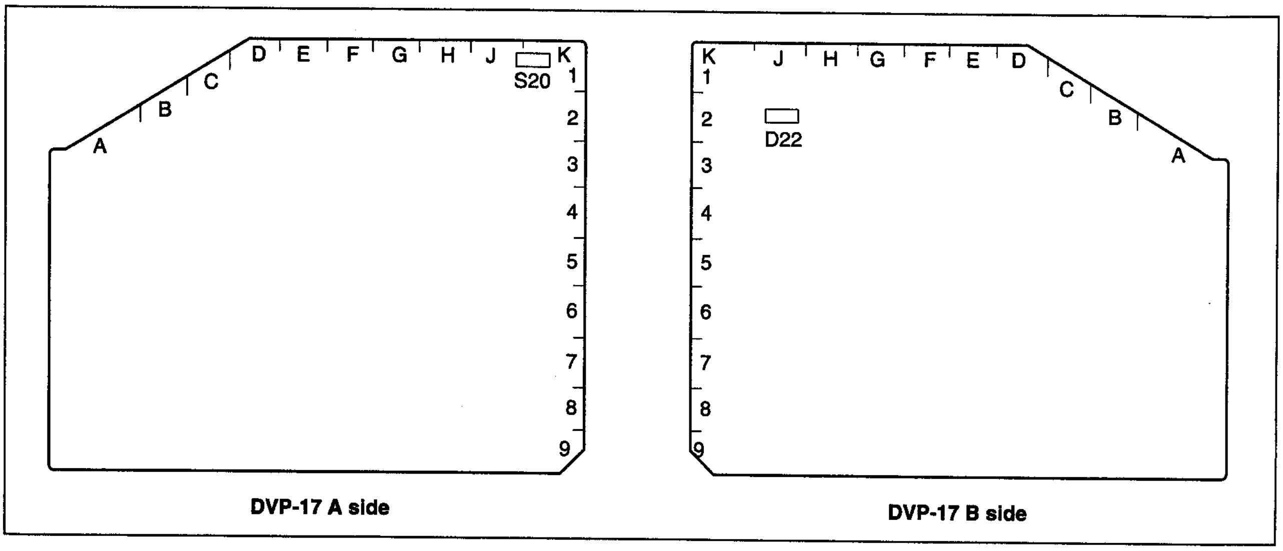


DCP-17 B side

Switches

Ref. No.	Name	Description	Factory setting
S1	ENG Disable Select	Switching ON/OFF of engineer mode ON : Disables OFF : Enables	OFF
S4-1	SVC Enable Select	Switching ON/OFF of service mode ON : Enables OFF : Disables	OFF
S4-2	–	Factory use	OFF
S4-3	VF CAM Select	Output signal selection when the OUTPUT/DCC switch is set to BARS ON : Outputs the camera signal on the viewfinder. OFF : Outputs the color bars signal on the viewfinder.	OFF
S4-4	CA Mode	Function selection of the VTR START button ON : Uses the VTR START button as the RET 2 button. (The VTR SAVE/STBY switch is used as the INCOM TALK ON button.) OFF : Uses the VTR START button as the INCOM TALK ON button.	OFF
S4-5	–	Not used	OFF
S4-6	Memory Selection	ON : The paint data with the RM/CCU connected remain after RM/CCU disconnection. (The settings when RM/CCU is connected are saved in the same memory location used for standalone operation.) Regarding the functions which can be set from the toggle switches of the camcorder such as the Master Gain, White Memory, Shutter, and Bars, these data return to the their current settings. As for the paint data of white gain controlled by the panel without white memory select function, it is saved in the memory A. OFF : The settings return to the former standalone state after RM/CCU disconnection. (The settings with RM/CCU connected and those for standalone operation are individually saved in the different memory locations.)	OFF
S4-7	–	Not used	OFF
S4-8	Data reset	ON : Resets the setting menu when the power is turned on. OFF : Not resets. (under normal use)	OFF

1-10-4. DVP-17 Board


A
B
C
D
E
F
G
H
J
K
S20
1
2
3
4
5
6
7
8
9
DVP-17 A side
K
J
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
D22
DVP-17 B side

Switches

Note

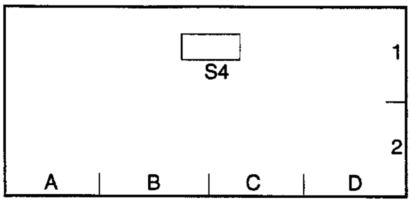
Set the switches S20-7 and S20-8 according to your own unit when replacing the board.

Ref.No.	Name	Description	Factory setting
S20-1 to 2	–	Factory use	OFF
S20-3	–	Not used	OFF
S20-4	EQ Adjust Mode	Set this switch to ON when adjusting equalizer and REC current.	OFF
S20-5 to 6	–	Factory use	OFF
S20-7	Model Select	OFF : DVW-707/707P ON : DVW-790WS/790WSP/ 709WS/709WSP	OFF (for DVW-707/707P) ON (for DVW-790WS/790WSP/ 709WS/709WSP)
S20-8	N/P Select	OFF : NTSC ON : PAL	OFF (for NTSC) ON (for PAL)

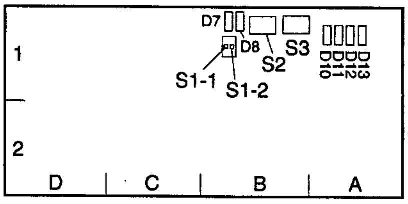
LED

Ref.No.	Name	Description	Always
D22	–	Not used	OFF

1-10-5. HN-260 Board



HN-260 A side



HN-260 B side

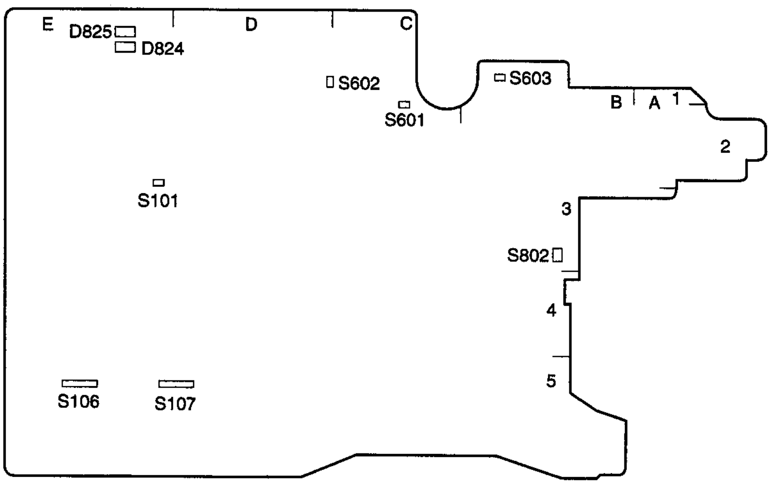
Switches

Ref.No.	Name	Description	Factory setting
S1-1	ADJ	Switching ON/OFF of the adjustment mode	OFF
S1-2	TRK	Switching ON/OFF of the tracking adjustment by tracking VR	OFF
S2	SET	Execution of the automatic servo adjustment (Refer to the Maintenance Manual Part 2 Vol.1, Sec.6 Servo System Adjustment.)	–
S3	NUMBER	Selection of the automatic servo adjustment (Refer to the Maintenance Manual Part 2 Vol.1, Sec.6 Servo System Adjustment.)	–
S4	REC HEAD PB SEL	Selection of NORMAL REC or REC HEAD PB (TEST)	REC

LEDs

Ref. No.	Name	Description	Normal state
D7	–	Lights when S1-1 is turned on.	OFF
D8	–	Lights when S1-2 is turned on.	OFF
D10	–	Lights when the tape is slacked. Lights when the S1-1 is turned on (in the automatic servo adjustment mode).	OFF
D11	–	Lights when the S1-1 is turned on (in the PG adjustment mode).	OFF
D10 to D13	–	Indicates the status of the automatic servo adjustment. (Refer to the Maintenance Manual Part 2 Vol.1, Sec. 6 Servo System Adjustment.)	OFF

1-10-6. TC-101 Board



TC-101 B side

Switches

Ref. No.	Name	Description	Factory setting
S101	CH-1 Front MIC LEVEL Control	Enables to control the audio level of the AUDIO IN CH-1 connector on the rear input with MIC LEVEL volume of the front panel. ON : Enables. OFF : Disables.	OFF
S106	CH-2 Limiter	Switching ON/OFF of CH-2 Limiter	OFF
S107	CH-1 Limiter	Switching ON/OFF of CH-1 Limiter	OFF
S601	CUE ONLY	Factory use (The CUE tone is output to AUDIO OUT all the time during playback.)	OFF
S602	CH-1 Output Limiter	Switching ON/OFF of CH-1 Output Limiter (+10 dB limit)	ON
S603	CH-2 Output Limiter	Switching ON/OFF of CH-2 Output Limiter (+10 dB limit)	ON
S802-1	NTSC/PAL SEL	NP Select OFF : NTSC ON : PAL	OFF (for NTSC) ON (for PAL)
S802-2	–	Factory use	OFF

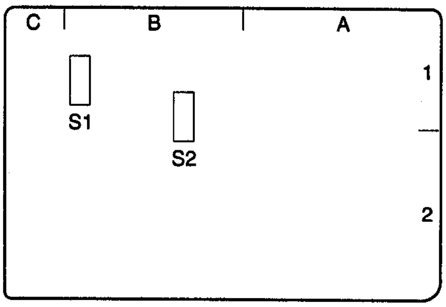
Slit Lands

All the slit lands on the TC-101 board are “Factory use”. Never change the settings.
(Factory setting : OPEN)

LEDs

Ref. No.	Name	Description	Always
D824	–	Factory use	OFF
D825	–	Factory use	OFF

1-10-7. TG-207 Board (for DVW-790WS/790WSP/709WS/709WSP only)



TG-207 B side

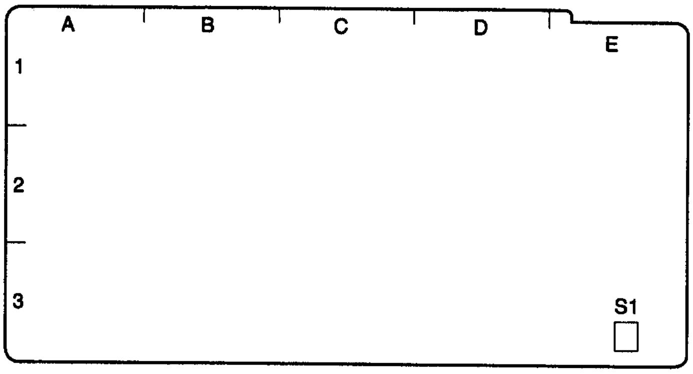
Switches

Note

When replacing the board, set the S2 according to your own unit.

Ref. No.	Name	Description	Factory setting
S1	Model Select	4:3 (No DVW Model) 16:9 (DVW-790WS/790WSP/ 709WS/709WSP)	16:9
S2	Model Select	FIT : DVW-790WS/790WSP IT : DVW-709WS/709WSP	FIT : (For DVW-790WS/790WSP) IT : (For DVW-709WS/709WSP)

1-10-8. DIF-75 Board (BKDW-702)



DIF-75 B side

Switches

Ref. No.	Name	Description	Factory setting
S1-1	VCO ADJ	Set to ON in the free-running adjustment.	OFF
S1-2	–	Reserved	OFF

1-11. Ejecting the Cassette Tape Manually

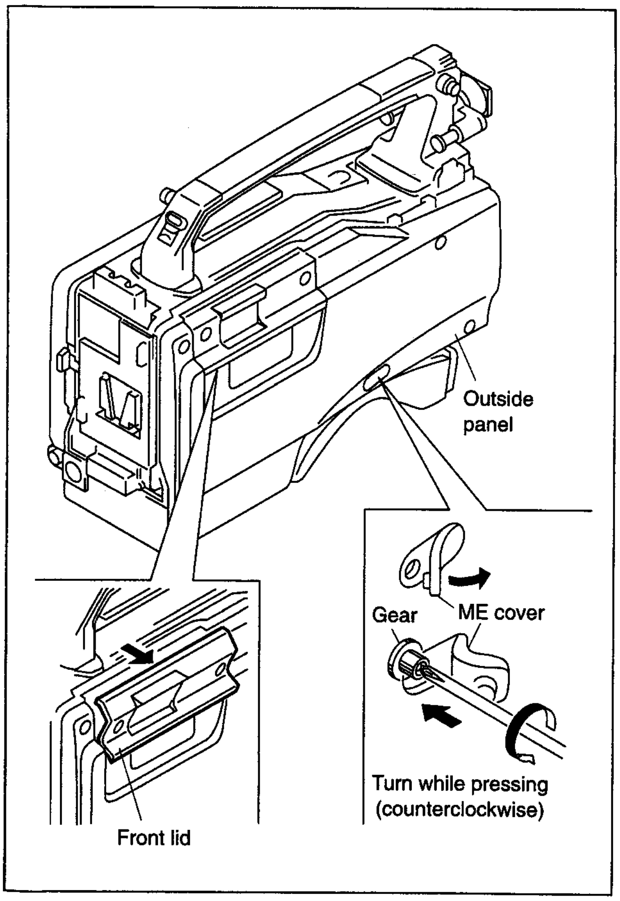
Note

To avoid damage to internal circuit, be sure to turn off the power, and then disconnect the power cord and/or battery before following the steps below.

1. Open the ME cover of the outside panel in the direction of the arrow.
2. Press in the gear and turn it counterclockwise with a Philips screwdriver while pressing the gear in.

   Note

   Check that the tape is taken up the cassette reel while turning the gear.
3. Turn the gear until the front lid opens, and then eject the cassette tape.



Notes

- Never turn the gear no further after the front lid opened. If the gear is turned moreover, gear phase will be out of order, and the operation timing of the cleaning roller will be shifted.
  When adjusting the phase of the gear, refer to Section "4-2-12. Timing Belt (Threading) Replacement" of the Maintenance Manual Part 2 Vol.1.
- Closing the front lid
  If the gear is turned moreover after the front lid opened, the front lid cannot be closed and locked. To close the front lid, turn on the power and close the lid.

If the front lid cannot be opened by turning the gear :

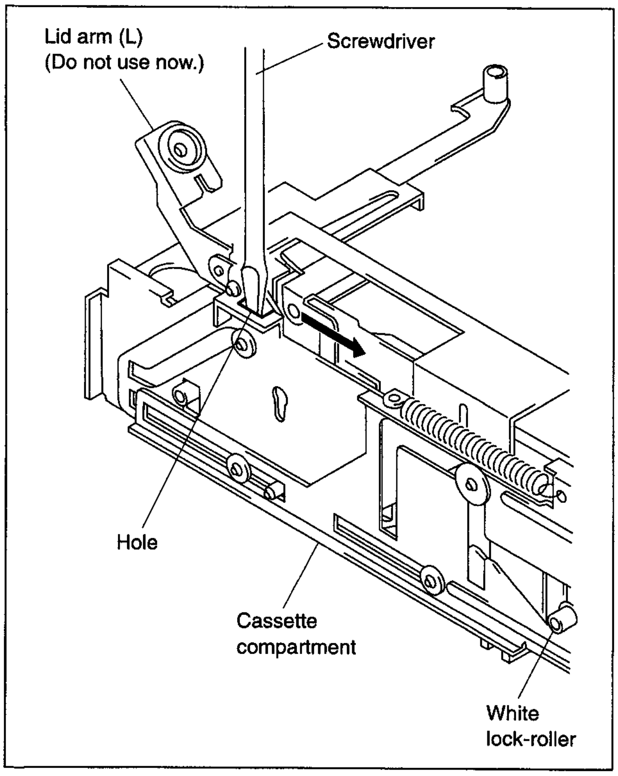
1. Remove the outside panel. (Refer to Section 1-6.)
2. Put the cassette compartment into the up position as the cassette lid of the cassette tape opened.
   (As for the moving up the cassette compartment, refer to Section 1-8.)
3. Being careful not to damage the tape, eject the cassette tape.

1-12. Inserting the Cassette Tape With Outside Panel Removed

Note

To avoid deformation of the lid arm (L), do not press the lid arm (L) to put the cassette compartment into the down position in the following step 4.
If the lid arm (L) is deformed, the front lid will not be locked when installing the outside panel.

1. Remove the outside panel. (Refer to Section 1-6.)
2. Put the cassette compartment into the up position.
   - When the unit is energized, press the EJECT button.
   - When the unit is not energized, remove the DC-DC converter (refer to Section 1-16.), then slide white lock-roller outside.
3. Insert the cassette tape into the cassette compartment.
4. To put the cassette compartment into the down position without using the lid arm (L), insert the brade of a screwdriver into the hole of the cassette compartment, and then slide it in the direction of the arrow until it locks.



1-13. Cleaning When the Heads are Clogged

If the video heads are clogged, firstly clean them with a cleaning tape as following “Cleaning by a Cleaning Tape”. If it does not help, see Section “6. Cleaning” and clean them with a cleaning cloth.

Cleaning by a Cleaning Tape

Tool

- Cleaning Tape BCT-D12CL

Note

Be sure to use the cleaning tape BCT-D12CL.
The use of other cleaning tape may cause unusual wearing or damage of the video heads.

1. Insert the cleaning tape BCT-D12CL into the unit.
2. Press the PLAY button to start the head cleaning.
3. After the five seconds, press the EJECT button to eject the cleaning tape.
   Note
   To avoid damage to the video heads, be sure to take the cleaning tape out after cleaning.
4. Check to see that the head clog is clear.

1-14. Fixtures and Adjustment Equipment

As for the required fixtures and adjustment equipment for the maintenance of this unit, refer to Section "1-1. Fixtures and Adjustment Equipment" in the Maintenance Manual Part 2 Vol.1.

1-15. Battery for Memory Backup

CAUTION

When replacing the battery, ensure that the battery is installed with "+" and "–" poles connected to the correct terminals.
An improper connection may cause an explosion or leakage of fluid.

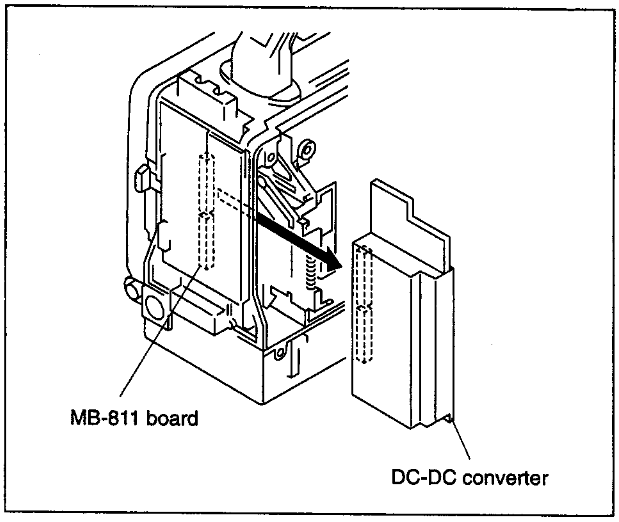
The unit is equipped with a battery (BT801) for the memory backup on the TC-101 board. When replacing, be sure to use the specified part.

Ref. No. : BT801 (B-2/TC-101 board)
Description : CR-2450 (lithium-ion battery)
Part No. : 1-528-229-11
Recommended Replacement Period : Every five years

The memory IC stores the data such as date and time.
If the backup battery is dead or replaced, these data are all cleared.
See Section "4-10. VTR Menu Display in the Display Panel" in the Operation Manual to reset the data.

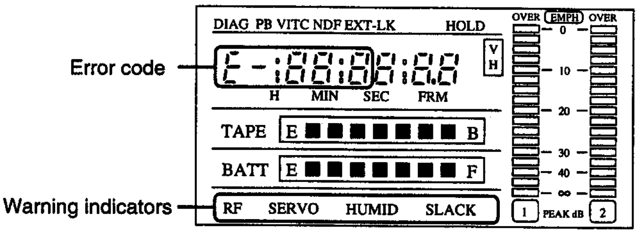
1-16. Replacing the DC-DC Converter

1. Remove the outside panel. (Refer to Section 1-6.)
2. Disconnect the DC-DC converter from the connector of the MB-811 board to remove it.



Section 2
Diagnostics

2-1. Error Code



Display panel

2-1-1. Warning Indicators

The warning indicator on the display panel lights if any fault occurs during the power-on sequence or normal operation. And the tally indicator on the viewfinder, back tally and warning indicators blink at the same time.

RF	: Lights if video heads are clogged
SERVO	: Lights if the servo fails Lights if the communication error is occurred between system control IC (DVP-13 board) and servo IC (SV-210 board)
HUMID	: Lights if there is condensation in the unit
SLACK	: Lights if the tape is not winding properly or the following troubles (shown in “Section 2-1-2”) are occurred

2-1-2. Error Codes

When “SLACK” of the warning indicator lights, error causes and its operating status are displayed on the display panel.

E-XXX

MODE

0: POWER ON
1: REC
2: REC PAUSE
3: THREAD
4: UNTHREAD
5: STOP
8: PLAY
9: FF
A: REW
b: REC REVIEW
C: CUE UP
E: FF SEARCH
F: REW SEARCH

ERROR CAUSE

10: Drum drive voltage abnormality
11: Detects no drum FG
12: Detects no drum PG
20: Capstan drive voltage abnormality
21: Detects no capstan FG-A
22: Detects no capstan FG-B
23: Capstan rotation abnormality in forward and reverse directions
24: Capstan speed abnormality (high speed)
32: Detects no S reel FG
42: Detects no T reel FG
61: Fuction cam rotation overtime in the forward direction
62: Fuction cam rotation overtime in the reverse direction
63: Tape top sensor overtime
64: Full top sensor overtime
65: End sensor overtime
70: Servo NVRAM checksum error
71: Communication error between servo CPUs

2-2. Error Messages

The error message is superimposed on the viewfinder screen if any fault occurs during the power-on sequence or normal operation.

Error message	**Operation**	**Remedy**
STORED DATA:NG	Blinks on the viewfinder screen during the power-on sequence	The white and/or black balance memory data have been lost. Adjust the white and black balance again
CAM?	Displayed during the power-on sequence or normal operation	A fault has been detected in the camera Contact your local Sony Sales Office/ Service Center
VTR?	Displayed during the power-on sequence or normal operation	A fault (HUMID or SLACK) has been detected in the VTR Check the warning indicators on the display panel

2-3. Display Panel and Lamp Operation Check

The display panel and all lamps can be checked for all on and all off using the VTR (DIAG) menu of the unit.
Refer to Section "3-2. VTR (DIAG) menu" for details of the VTR (DIAG) menu. Perform the check as follows.

1. Select the page DIAG-8 of the DIAG menu (VF screen : VTR MENU-12 page).
2. Check all on and all off of the display panel and the following lamps.
   Every pressing of the SHIFT button toggles between all on and all off. It also toggles between the messages "ALL OFF" and "ALL ON" on the VF screen.

   - REW button
   - F. FWD button
   - PLAY button
   - WARNING lamp (on side of display panel)
   - Tally lamp (VF)
   - Camera-man tally lamp (VF)
   - Back tally lamp (VF)
   - Rear tally lamp (rear panel)
   - Green tally lamp (in VF)
   - TALLY/REC lamp (in VF)
   - BATT lamp (in VF)
   - "!" (error status warning) lamp (in VF)
   - Spare lamp (in VF)
   - VTR SAVE lamp (in VF)

2-4. Displaying the Servo Adjustment Data

The servo adjustment data can be displayed, using the VTR menu of the unit. (It can not be displayed on the DIAG menu.)
Refer to Section "3-2. VTR (DIAG) menu" for details of the VTR menu. Display the servo adjustment data as follows.

1. Select the page VTR MENU-13 of the VTR menu.

VF screen

```
VTR MENU-13

SERVO MEMORY
1. CAP FREE SP        XX
2. PG PHASE-1         XX
3. PG PHASE-2         XX
4. CFGA DUTY          XX
5. CFGB DUTY          XX
6. EDIT DELAY         XX
7. SLACK
   XXXX XXXX XXXX XXXX
```

1. Displays the capstan free speed adjustment data
2. Displays the low-order bit of drum PG phase adjustment data
3. Displays the high-order bit of drum PG phase adjustment data

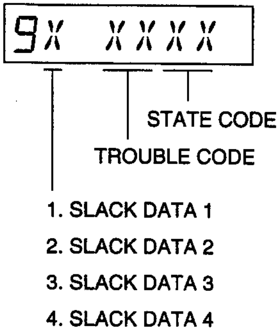
   If the most significant bit is "0" in binary, the PG phase adjustment data including high and low-order bits ranges from 0 to 255. if it is "1", the PG phase adjustment data range from 256 to 511
4. Displays the capstan FGA offset adjustment data
5. Displays the capstan FGB offset adjustment data
6. Displays the delay adjustment data during back-space editing
7. Slack information (Refer to Section 2-5.)

2-5. Displaying the Slack Information in the Past

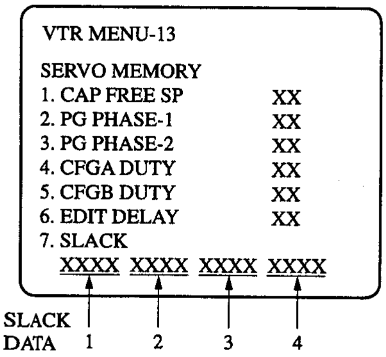
The slack information indicating a maximum of four slacks that have occurred in the past, can be displayed, using the VTR (DIAG) menu of the unit.
Refer to Section "3-2. VTR (DIAG) menu" for details of the VTR (DIAG) menu. Display the slack information as follows.

1 Select the page DIAG-9 of the DIAG menu (VF screen : VTR MENU-13 page, 7. SLACK).
2 Select the SLACK DATA 1 to SLACK DATA 4. (The SLACK DATA 1 is the newest information.)

Display panel



VF screen


VTR MENU-13

SERVO MEMORY
1. CAP FREE SP XX
2. PG PHASE-1 XX
3. PG PHASE-2 XX
4. CFGA DUTY XX
5. CFGB DUTY XX
6. EDIT DELAY XX
7. SLACK
XXXX XXXX XXXX XXXX

Contents of slack trouble code

10 : Abnormal drum drive voltage
11 : No drum FG output
12 : No drum PG output
20 : Abnormal capstan drive voltage
21 : No capstan FG-A output
22 : No capstan FG-B output
23 : Abnormal forward/reverse rotation of capstan
24 : Abnormal capstan speed (high-speed)
32 : No S reel FG output
42 : No T reel FG output
61 : Time over the forward rotation time of function cam
62 : Time over the reverse rotation time of function cam
63 : Time over the tape top sensor
64 : Time over the full top sensor
65 : Time over the end sensor time
70 : Servo NVRAM checksum error
71 : Communication error between servo CPUs

Contents of slack state code

00 : Power-on initialization
1x : No cassette and standby state
2x : Record
3x : Stop
4x : FF/REW
5x : Playback
6x : REC PAUSE
7x : REC REVIEW
8x : Threading/unthreading

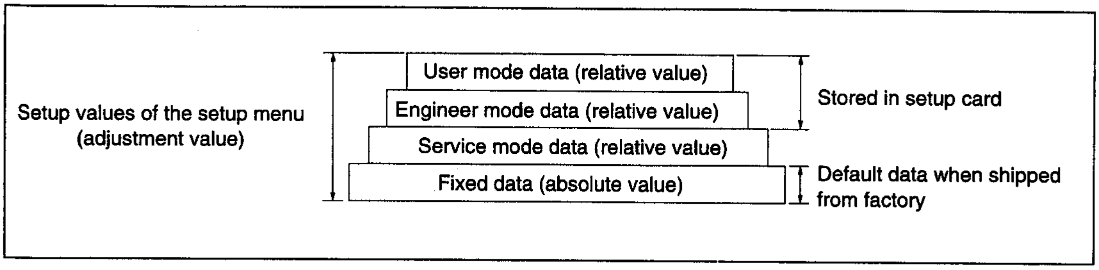
Section 3
Setup Menu

This section describes details of the engineer mode of the setup menu that is displayed on the viewfinder. It also describes the VTR (DIAG) menu that is displayed inside the display panel.

3-1. Engineer Mode (Setup Menu)

When you enter the engineer mode of the setup menu, the engineer-oriented menu appears. Using the engineer-oriented menu, selection of user mode, various setting up and camera system adjustment can be executed.

Data structure of the setup menu is described as shown below.
Setup values of the setup menu = Fixed data (absolute value) + Service mode setup value (relative value) + Engineer mode setup value (relative value) + User mode setup value (relative value)


Setup values of the setup menu (adjustment value)
User mode data (relative value)
Engineer mode data (relative value)
Service mode data (relative value)
Fixed data (absolute value)
Stored in setup card
Default data when shipped from factory

- When the MENU/ON/OFF switch is set to ON after turning on the main power, the camcorder enters the user mode. When you enter the user mode, the page that is selected by the MENU SELECT page of the engineer mode, and the items that are registered in the camera-man menu registration mode are displayed in a maximum of five pages. (Refer to the operation manual for details of the user mode and of the camera-man menu registration mode.)
- When an item is adjusted in the engineer mode, value of this item in the user mode is reset to 0.
- When a setup data is written in a setup card, the setup value in the user mode and the setup value is the engineer mode are stored separately.
- Refer to the Maintenance Manual, Part 2, Volume 1, Section 2 for details of the service mode.
- When a remote control RM-B150/P9 is selected and the camcorder is operated externally from the remote control, there are some items that cannot be changed of their setup or some items to which setup data is not reflected correctly. Refer to Section "3-1-2 Setup Menu List" for more details.

How to Enter the Engineer Mode

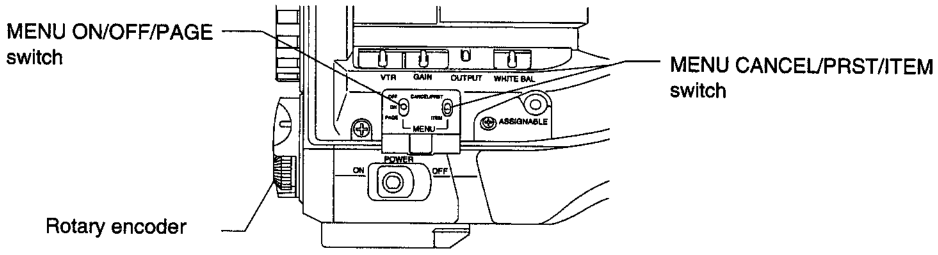
1. Turn off the main power.
2. While pressing the rotary encoder, turn ON the POWER switch.

   Note

   If you cannot enter the engineer mode, check the switch setting of the DCP-17 board for the following.
   S4-1 → OFF
   S1 → OFF

3-1-1. Fundamental Operation of the Setup Menu

Switch description



1. MENU ON/OFF/PAGE switch

The MENU ON/OFF/PAGE switch is used to display the setup menu or to switch the display items in units of page. When lid is closed, the MENU ON/OFF/PAGE switch is automatically set to the OFF position.

ON : Displays the setup menu.
OFF : Exits from the setup menu.
PAGE : Selects another page of the setup menu

2. MENU CANCEL/PRST/ITEM switch

The MENU CANCEL/PRST/ITEM switch is used to select the desired item or to cancel setting or to recover the default setting when the MENU ON/OFF/PAGE switch is ON.

CANCEL/PRST : Cancels the already executed setting, or returns to the default setting.
ITEM : Selects the desired item.

3. Rotary encoder

Rotate: Moves to another page or to another item, or to change the setup value.
Press: Sets the page, or enters the setup value modification mode.

Operation (Using the MENU switch)

1. Set the MENU ON/OFF/PAGE switch to ON position.
2. To move to another page, set the MENU ON/OFF/PAGE switch to PAGE. (Moves to the next page every time when this switch is set.)
3. To move to another item, set the MENU CANCEL/PRST/ITEM switch to ITEM. (The cursor moves to the next item every time when this switch is set.)
   Press the rotary encoder to enter the setup value modification mode.
4. Rotate the rotary encoder to modify the setup value.
5. To exit from the setup menu, turn OFF the MENU ON/OFF/PAGE switch.

Operation (Using the rotary encoder)

1. Set the MENU ON/OFF/PAGE switch to ON position.
2. To move to another page, rotate the rotary encoder. (A page is set by pressing the rotary encoder.)
3. To move to another item, rotate the rotary encoder. (An item is set by pressing the rotary encoder.)
   Press the rotary encoder to enter the setup value modification mode.
4. To modify the setup value, rotate the rotary encoder .
5. To exit from the setup menu, turn OFF the MENU ON/OFF/PAGE switch.

3-1-2. Contents of Setup Menu

This section describes details of the menu (including the engineer-oriented menu) that appears when the engineer mode is selected.

(Values in square □ of the Setup column indicate the default value when shipped from factory.)

No.	Page	Item	Setup	Description
1	MARKER 1/3	SAFETY ZONE	$\boxed{\text{ON}}$/OFF	Sets the safety zone marker display to ON or OFF.
		SAFETY AREA	80%/$\boxed{\text{90\%}}$/100%	Sets the safety zone area to 80 %, 90 % or 100 %.
		CENTER	ON/$\boxed{\text{OFF}}$	Sets the center marker display to ON to OFF.
		CENTER H	X ($\boxed{0}$)	Moves the center marker horizontally.
		CENTER V	X ($\boxed{0}$)	Moves the center marker vertically.
2	MARKER 2/3	BOX CURSOR	ON/$\boxed{\text{OFF}}$	Sets the box cursor display to ON or OFF. Note : The box cursor does not appear in the following cases. The WIDE SCREEN page BOX/4:3/14:9 LIMIT is set to any other item than BOX. The WIDE SCREEN page BOX/4:3/14:9 MODE is set to 4:3, while the VF ASPECT is set to 16:9A or 16:9B.
		BOX WIDTH	X ($\boxed{0}$)	Changes the width of the box cursor.
		BOX HEIGHT	X ($\boxed{0}$)	Changes the height of the box cursor.
		BOX H	X ($\boxed{0}$)	Moves the box cursor horizontally.
		BOX V	X ($\boxed{0}$)	Moves the box cursor vertically.
3	MARKER 3/3	TEST OUT MIX	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of outputting the VF marker to TEST OUT.
		RET MIX	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of mixing the VF marker with return video.
		TEST OUT VF DISP	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of outputting the character to TEST OUT where the character is displayed on VF when the VF DISPLAY switch is set to ON.
		TEST OUT MENU	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of outputting the menu to TEST OUT where the menu is displayed on VF when the MENU ON/OFF/PAGE switch is set to ON. Note : When an RM is connected, the menu is forced to be outputted regardless of this menu setting.
		RM VF MENU INH.	$\boxed{\text{ON}}$/OFF	ON : The menu is not displayed even through the MENU switch is set to ON when an RM is connected. OFF : The menu is displayed when the MENU switch is set to ON even though an RM is connected.
4	VF DISP 1/2	DISP MODE	1/2/$\boxed{3}$	Set the display mode. (For details, refer to the Operation Manual.)
		EXTENDER	$\boxed{\text{ON}}$/OFF	Sets the extender display to ON or OFF.
		ZOOM	$\boxed{\text{ON}}$/OFF	Sets the zoom position display to ON or OFF.
5	VF DISP 2/2	FILTER	$\boxed{\text{ON}}$/OFF	Sets the filter display to ON or OFF.
		WHITE	$\boxed{\text{ON}}$/OFF	Sets the white balance display to ON or OFF.
		GAIN	$\boxed{\text{ON}}$/OFF	Sets the gain selection value display to ON or OFF.
		SHUTTER	$\boxed{\text{ON}}$/OFF	Sets the shutter speed/mode display to ON or OFF.
		TAPE	$\boxed{\text{ON}}$/OFF	Sets the tape remaining display to ON or OFF.
		AUDIO	$\boxed{\text{ON}}$/OFF	Sets the CH-1 audio level display to ON or OFF.
		IRIS	$\boxed{\text{ON}}$/OFF	Sets the iris value display to ON or OFF.

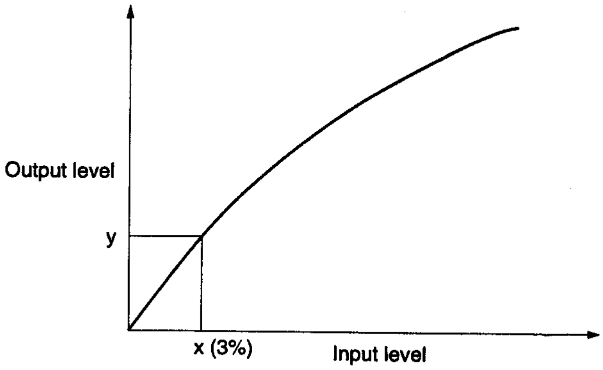
No.	Page	Item	Setup	Description
6	MASTER GAIN	LOW	−3/$\boxed{0}$/3/6/9/12/18/ 24/30/36/42/48 dB	Sets the gain corresponding to the LOW, MIDDLE, HIGH and TURBO positions of the GAIN selector switch.
		MID	−3/0/3/6/$\boxed{9}$/12/18/ 24/30/36/42/48 dB	Note : When the gain selection value is changed, the BLACK SET adjustment is required.
		HIGH	−3/0/3/6/9/12/$\boxed{18}$/ 24/30/36/42/48 dB	
		TURBO	−3/0/3/6/9/12/18/ 24/30/36/$\boxed{42}$/48 dB	
7	SHOT ID	ID-1 ID-2 ID-3 ID-4		Shot ID setting (ID1 to ID4) Sets the shot ID of a maximum of twelve characters using alphanumeric character, symbol, and space.
8	SHOT DISP			Selects the shot data to be super-imposed on color-bar signal.
		DATE	ON/$\boxed{\text{OFF}}$	Date
		TIME	ON/$\boxed{\text{OFF}}$	Time
		MODEL NAME	ON/$\boxed{\text{OFF}}$	Model name
		SERIAL NO.	ON/$\boxed{\text{OFF}}$	Serial No.
		CASSTTE NO.	ON/$\boxed{\text{OFF}}$	Cassette No.
		SHOT NO.	ON/$\boxed{\text{OFF}}$	Shot No.
		ID SELECT	$\boxed{\text{OFF}}$/ID1/ID2/ ID3/ID4	The shot ID number that is selected by the SHOT ID page.
9	SHUTTER			The shutter mode/speed setting that can be selected by the SHUTTER switch, etc.
		EVS	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the EVS mode. (DVW-709WS/709WSP/707/707P) Turns ON/OFF the super EVS (Enhanced vertical definition) mode. (DVW-790WS/790WSP)
		CLS	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the CLS (clear scan) mode. (DVW-709WS/709WSP/707/707P) Turns ON/OFF the ECS (extended clear scan) mode. (DVW-790WS/790WSP)
		1/100 (NTSC) 1/60 (PAL)	$\boxed{\text{ON}}$/OFF	Shutter speed 1/100 (for NTSC) or 1/60 (for PAL) second in the standard mode
		1/125	$\boxed{\text{ON}}$/OFF	Shutter speed 1/125 second in the standard mode
		1/250	$\boxed{\text{ON}}$/OFF	Shutter speed 1/250 second in the standard mode
		1/500	$\boxed{\text{ON}}$/OFF	Shutter speed 1/500 second in the standard mode
		1/1000	$\boxed{\text{ON}}$/OFF	Shutter speed 1/1000 second in the standard mode
		1/2000	$\boxed{\text{ON}}$/OFF	Shutter speed 1/2000 second in the standard mode
10	!' LED			OFF : The "!" lamp of VF does not turn on. ON : The "!" lamp of VF turns on when the following conditions are satisfied.
		MASTER GAIN	$\boxed{\text{ON}}$/OFF	The GAIN value is set to any value other than 0 dB.
		SHUTTER ON	$\boxed{\text{ON}}$/OFF	The SHUTTER switch is set to ON.
		WHITE PRESET	ON/$\boxed{\text{OFF}}$	The WHITE BAL switch is set to PRST.
		ATW RUN	ON/$\boxed{\text{OFF}}$	The ATW (automatic tracing white balance) is operating.
		EXTENDER ON	$\boxed{\text{ON}}$/OFF	Lens extender is being used.
		FILTER 2,3,4	ON/$\boxed{\text{OFF}}$	Filter is set to any position other than 1.
		FILTER A,C,D	ON/$\boxed{\text{OFF}}$	Filter is set to any position other than B. (DVW-790WS/790WSP/709WS/709WSP only)
		A.IRIS OVERRIDE	ON/$\boxed{\text{OFF}}$	Reference value of the automatic iris control is et to any value other than the standard value.

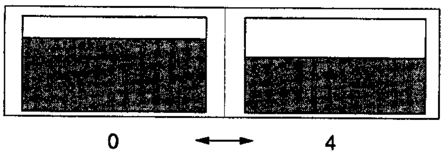
No.	Page	Item	Setup	Description
11	SETUP CARD	READ (→CAM)	To be executed by pressing the rotary encoder.	Reads data from the setup card.
		WRITE (→CARD)	To be executed by pressing the rotary encoder.	Writes data to the setup card
		ID EDIT		The card ID can be set within ten characters using alphanumeric characters and symbols.
		WRITE PROTECT	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the write-inhibit function into the setup card.
		WHITE DATA	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of reading white balance correction value from the setup card.
12	FUNCTION 1/2	TEST OUT	$\boxed{\text{ENC}}$/R/G/B	Selection of video signal to be output froth TEST OUT connector. Note : R-G or B-G can be selected when R-G/B-G SEL on the first page of OPERATION is set to ON.
		DETAIL	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the function of adding detail signal to video for improving resolution power.
		APERTURE	$\boxed{\text{ON}}$/OFF	Sets the aperture correction to ON or OFF.
		SKIN TONE DTL	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the skin tone detail function.
		MATRIX	ON/OFF *Default value OFF (J) ON (Except J)	Turns ON/OFF the linear matrix correction function. The highly color saturation can be obtained when this item is set to ON.
		GAMMA	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the gamma correction function.
		BLACK GAMMA	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the black gamma correction function.
		CHROMA	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the function to add chroma signal.
		TEST SAW	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function to add the TEST signal to the video signal system forcibly. (Used during the video signal adjustment.)
		CROSS COLOR FLT	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function to reduce the cross-color of video signal. (NTSC only)
13	FUNCTION 2/2	GENLOCK	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the function of synchronizing the internal reference signal with the video signal that is input to GENLOCK IN connector.
		CAM RET.	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of displaying the return video signal that is input to the GENLOCK IN connector, when the RET button on the lens is set to ON.
		FILTER INH.	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of interlocking the filter with the white balance correction value. ON : The white balance correction value does not interlock with the color temperature conversion filter, but is memorized in the memory A and memory B respectively. OFF : The white balance correction value is memorized in the respective memories of memory A (4 memories) and memory B (4 memories) totaling 8 memories respectively.
		FIELD/FRAME	$\boxed{\text{FIELD}}$/FRAME	Sets the CCD read-out method. FIELD : Reading out in units of field. (Normal setting) FRAME : Reading out in units of frame. (Used when the higher vertical resolution is desired) Note : The FRAME reading has a more residual image than the FIELD reading.
	(continued)	A.IRIS OVERRIDE	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the iris override function. When the iris override function is set to ON, reference value of the AUTO iris adjustment can be modified by the rotary encoder when the MENU ON/OFF/PAGE switch is set to OFF. (5 steps: −1/2, −1/4, 0, +1/4, +1/2 steps of iris stop)

No.	Page	Item	Setup	Description
13	FUNCTION 2/2	DCC FUNCTION SEL	FIX/$\boxed{\text{DCC}}$/ADP.K	Selects the DCC function modes when the DCC switch is set to ON. DCC : Normal mode (Dynamic range is set by the DCC ADJUSTMENT page.) FIX : Knee is corrected by the fixed dynamic range of 600%. ADP.K : Adaptive mode Detects an object which is occupying the largest area of a picture and automatically adjusts the knee point and knee slope to obtain the optimum level for the object.
		REAR BNC OUT	$\boxed{\text{VBS}}$/SDI/OFF	Selects the signal to be output from the rear panel VIDEO OUT connector when the SDI output board BKDW-702 is installed. VBS : Outputs the composite video signal. SDI : Outputs the SDI signal. OFF : Set to OFF when power saving is desired.
		VTR MODE	ON/$\boxed{\text{OFF}}$	Set to ON when an external VTR is controlled by the VTR START button as it is interlocked with the DVW, when an external VTR is connected via the CA-702.
		REC INHIBIT (CCU)	$\boxed{\text{ON}}$/OFF	Set to OFF when the REC control is executed by the VTR START button even though CCU is connected via CA-705/755. Note : When this setup is set to OFF, a viewfinder can not be powered on.
		ASSIGNABLE SW	$\boxed{\text{OFF}}$/RET/REC/ TURBO/ AUDIO/ATW/ LOOPR/F.SHT	Selects function of the ASSINABLE button. OFF : During normal use RET : RET button REC : VTR START button TURBO : TURBO GAIN button AUDIO : The ON/OFF switch of the function to display the AUDIO source on VF for each channel. ATW : The ON/OFF switch of the ATW function LOOPR : The ON/OFF switch of the loop recording function. (This item is displayed only when the picture cache board BKDW-703 is installed.) F. SHT : The ON/OFF switch of the frame shutter function. (This item is displayed only when the frame shutter unit BKDW-705 is installed.)
14	WIDE SCREEN			Note : This page is displayed only in DVW-790WS/790WSP/ 709WS/709WSP only
		16:9/4:3 MODE	$\boxed{\text{16:9}}$/4:3	Sets the aspect ratio of the video signal output from the VIDEO OUT and TEST OUT connectors.
		VF ASPECT	$\boxed{\text{AUTO}}$/4:3/ 16:9A/16:9B	Sets the aspect ratio on the viewfinder. AUTO : Sets the aspect ratio set by 16:9/4:3 MODE setting. 4:3 : Sets the aspect ratio to 4:3 regardless of 16:9/4:3 MODE setting. 16:9A : Sets the aspect ratio to 16:9 regardless of 16:9/4:3 MODE setting (displays the area of 4:3 mode with the marker). 16:9B : Sets the aspect ratio to 16:9 regardless of 16:9/4:3 MODE setting (video level is cut in half out of the safety zone area on the VF screen).
		BOX/4:3/14:9 LIMITS	$\boxed{\text{BOX}}$/4:3/14:9	Sets the function of the box cursor. BOX : Operates as the normal cursor function. 4:3 : Displays the 4:3 area when the 16:9/4:3 MODE set to 16:9. 14:9 : Displays the 14:9 area when 16:9 is selected by the above described 16:9/4:3 MODE.
		16:9 BARS ID	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of adding the 16:9 display to the built-in color bar when 16:9 is selected by the above described 16:9/4:3 MODE.
		16:9 VF ID	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of adding the 16:9 display to the VF screen when 16:9 is selected by the above described 16:9/4:3 MODE.

No.	Page	Item	Setup	Description
15	VF SETTING	ZEBRA 1 DETECT	20 to 107 % ($\boxed{70}$)	Sets the center level of the zebra 1 pattern.
		ZEBRA 1 APERTURE	1 to 20 % ($\boxed{10}$)	Sets the width of the zebra 1 pattern.
		ZEBRA 2 DETECT	52 to 109 % ($\boxed{100}$)	Sets the ZEBRA2 display level.
		ZEBRA SELECT	$\boxed{1}$/2/BOTH	Selects the zebra patterns.
		TEST OUT ZEBRA	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of outputting the zebra pattern to TEST OUT.
		VF DTL LEVEL	X ($\boxed{0}$)	Sets the VF detail amount.
16	LEVEL 1	DETAIL LVL	X ($\boxed{0}$)	Sets the total level of the detail signal.
		H/V RATIO	X ($\boxed{0}$)	Sets balance between the H detail signal and the V detail signal.
		DTL FREQ	X ($\boxed{0}$)	Sets frequency (thickness) of the H detail signal.
		CRISPENING	X ($\boxed{0}$)	Sets the crispening level of the detail signal.
		APT. LEVEL	X ($\boxed{0}$)	Sets the high-frequency correction level.
		DTL W.CLP	X ($\boxed{0}$)	Sets the white clip level of the V detail signal.
		DTL V B.CLP	X ($\boxed{0}$)	Sets the level that clips the excessive level in the negative (–) direction of the V detail signal.
		DTL H B.CLP	X ($\boxed{0}$)	Sets the level that clips the excessive level in the negative (–) direction of the H detail signal.
		LVL DEPEND	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the level dependent function
		L.DEP.LVL	X ($\boxed{0}$)	Sets the level that suppresses the detail signal at the low signal level.
17	LEVEL 2	KNEE APT	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the knee aperture function.
		K.APT.LVL	X ($\boxed{0}$)	Adjusts the detail signal amount that is added to the high light signal higher than the knee point.
		DTL COMB	X ($\boxed{0}$)	Set the signal level at which the comb filter starts working.
		C.C.S.LVL	X ($\boxed{0}$)	Sets the chroma suppression level. (NTSC only)
18	LEVEL 1#4:3			Note : This page is displayed only in DVW-790WS/790WSP/709WS/709WSP. The following settings are valid when the 16:9/4:3 MODE on the WIDE SCREEN is set to 4:3.
		DETAIL LVL	X ($\boxed{0}$)	Sets the overall level of the detail signal.
		H/V RATIO	X ($\boxed{0}$)	Sets balance between the H detail signal and the V detail signal.
		DTL FREQ	X ($\boxed{0}$)	Sets frequency (thickness) of the H detail signal.
		CRISPENING	X ($\boxed{0}$)	Sets the crispening level of the detail signal.
		APT. LEVEL	X ($\boxed{0}$)	Sets the high frequency correction level.
		DTL W.CLP	X ($\boxed{0}$)	Sets the white clip level of the V detail signal.
		DTL V B.CLP	X ($\boxed{0}$)	Sets the level that clips the excessive level in the negative (–) direction of the V detail signal.
		DTL H B.CLP	X ($\boxed{0}$)	Sets the level that clips the excessive level in the negative (–) direction of the H detail signal.
		LVL DEPEND	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the level dependent function
		L.DEP.LVL	X ($\boxed{0}$)	Sets the level that suppresses the detail signal at the low signal level.
19	LEVEL 2#4:3			Note : This page is displayed only in DVW-790WS/790WSP/709WS/709WSP. The following settings are valid when the 16:9/4:3 MODE on the WIDE SECREEN is set to 4:3.
		KNEE APT	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the knee aperture function.
		K.APT.LVL	X ($\boxed{0}$)	Adjusts the detail signal amount that is added to the high light signal higher than the knee point.
		DTL COMB	X ($\boxed{0}$)	Set the signal level at which the comb filter starts working.
		C.C.S.LVL	X ($\boxed{0}$)	Sets the chroma suppression level. (NTSC only)

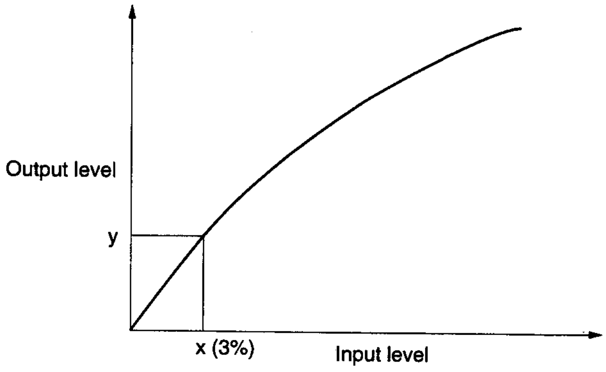
No.	Page	Item	Setup	Description
20	LEVEL 3	SKIN TONE DTL	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the skin tone detail function. (Same as the TEST OUT on the 1/2 pages of FUNCTION.)
		SUPPRESS LEVEL	X($\boxed{0}$)	Sets signal amount of the skin tone detail.
		SKIN TONE DET	$\boxed{\text{OFF}}$/EXEC	Sets to the EXEC position when the range in which skin tone detail function is automatically set. (Shoot a skin tone object that fills the entire gate marker on VF, and press the rotary encoder.)
		SATURATION	X($\boxed{0}$)	Sets the range of color saturation in which the skin tone detail function works.
		HUE	X($\boxed{0}$)	Sets the range of color hue in which the skin tone detail function works.
		WIDTH	X($\boxed{0}$)	Sets the width of color hue in which the skin tone detail function works.
		SKIN AREA IND.	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of displaying zebra pattern on VF indicating the range detecting the skin tone detail.
21	LEVEL 4	MASTER BLACK	X($\boxed{0}$)	Adjusts the master black level.
		MASTER GAMMA	X($\boxed{0}$)	Adjusts the master gamma correction curve.
		MASTER BLACK GAMMA	X($\boxed{0}$)	Adjusts the master black gamma. It sets the rise-up of the gamma correction curve.
		KNEE POINT	X($\boxed{0}$)	Adjusts the master knee point level during MANUAL knee adjustment.
		KNEE SLOPE	X($\boxed{0}$)	Adjusts the master knee slope level during MANUAL knee adjustment.
		KNEE SATURATION	X($\boxed{0}$)	Adjusts the knee saturation level.
		KNEE	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the knee correction function. (The DCC switch setting is ignored.)
		WHITE CLIP	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the white clip function. (Used during video signal adjustment.) Note : Video signal that exceeds the signal level of 109% or higher shall not be output even when this setting is set to OFF.
		WHITE CLIP LEVEL	X($\boxed{0}$)	Sets the master white clip level.
22	LEVEL 5	BURST LEVEL	X($\boxed{0}$)	Sets the burst level of encoder output.
		BURST PHASE	X($\boxed{0}$)	Sets the burst phase of encoder output. (PAL only)
		R-Y	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the function of outputting the R-Y signal to encoder output. (This function is set to ON automatically when CHROMA is set ON on 1/2 pages of FUNCTION.)
		B-Y	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the function of outputting the B-Y signal to encoder output. (This function is set to ON automatically when CHROMA is set ON on 1/2 pages of FUNCTION.)
		R-Y LEVEL	X($\boxed{0}$)	Sets the R-Y level of encoder output.
		B-Y LEVEL	X($\boxed{0}$)	Sets the B-Y level of encoder output.
				Note : The following items are displayed in DVW-790WS/790WSP/709WS/709WSP only. The following items are valid when the 16:9/4:3 MODE on the WIDE SCREEN page is set to 4:3.
		R-Y LEVEL (4:3)	X($\boxed{0}$)	Turns ON/OFF the function of outputting the R-Y signal to encoder output.
		B-Y LEVEL (4:3)	X($\boxed{0}$)	Turns ON/OFF the function of outputting the B-Y signal to encoder output.
23	LEVEL 6	RGB LEVEL	X($\boxed{0}$)	Sets the video signal level of the RGB output.
		RGB SYNC LVL.	X($\boxed{0}$)	Sets the sync signal level of the RGB output.
		RGB SETUP LVL.	X($\boxed{0}$)	Sets the setup level of the RGB output.
		ENC Y LEVEL	X($\boxed{0}$)	Sets the Y signal level of the encoder output.
		ENC SYNC LVL.	X($\boxed{0}$)	Sets the sync signal level of the encoder output.
		ENC SETUP LVL.	X($\boxed{0}$)	Sets the setup level of the encoder output.
				Note : The following items are displayed in DVW-790WS/790WSP/709WS/709WSP only. The following items are valid when the 16:9/4:3 MODE on the WIDE SCREEN page is set to 4:3.
		RGB LEVEL (4:3)	X($\boxed{0}$)	Sets the video signal level of the RGB output.
		ENC Y LEVEL (4:3)	X($\boxed{0}$)	Sets the setup level of the RGB output.

No.	Page	Item	Setup	Description
24	LEVEL 7	R BLACK	X ($\boxed{0}$)	Adjusts the black level of the R signal.
		G BLACK	X ($\boxed{0}$)	Adjusts the black level of the G signal.
		B BLACK	X ($\boxed{0}$)	Adjusts the black level of the B signal.
		R FLARE	X ($\boxed{0}$)	Adjusts the flare correction of the R channel.
		G FLARE	X ($\boxed{0}$)	Adjusts the flare correction of the G channel.
		B FLARE	X ($\boxed{0}$)	Adjusts the flare correction of the B channel.
		FLARE	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the flare correction circuit.
		TEST OUT	$\boxed{\text{ENC}}$/R/G/B	Sets the type of the video signal output from the TEST OUT connector. (Same as TEST OUT item of the "FUNCTION 1/2" page.)
25	LEVEL 8	GAMMA TABLE	$\boxed{\text{A}}$/B/C/D/F	Selects the gamma table.  A : Gamma of x:y = 1:4 B : Gamma of x:y = 1:5 C : Gamma of x:y = 1:4.5 D : Gamma of x:y = 1:0.7 F : Gamma kine film
		MASTER GAMMA	X ($\boxed{0}$)	Adjusts the master gamma correction curve.
		R GAMMA	X ($\boxed{0}$)	Adjusts the gamma correction curve of the R channel.
		G GAMMA	X ($\boxed{0}$)	Adjusts the gamma correction curve of the G channel.
		B GAMMA	X ($\boxed{0}$)	Adjusts the gamma correction curve of the B channel.
		BLACK GAMMA RANGE	LOW/MID/$\boxed{\text{HI}}$	Sets the range in which black gamma works LOW : 0 to 7.2 % MID : 0 to 14.4 % HI : 0 to 28.8 %
		MASTER BLACK GAMMA	X ($\boxed{0}$)	Adjusts the master black gamma correction.
		R BLACK GAMMA	X ($\boxed{0}$)	Adjusts the black gamma correction of the R channel.
		G BLACK GAMMA	X ($\boxed{0}$)	Adjusts the black gamma correction of the G channel.
		B BLACK GAMMA	X ($\boxed{0}$)	Adjusts the black gamma correction of the B channel.

No.	Page	Item	Setup	Description
26	LEVEL 9	MATRIX	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the matrix correction function.
		MATRIX TABLE	$\boxed{\text{A}}$/B	Selects the matrix table. (Two status of A and B can be saved.) (Same as the MATRIX TABLE on page 10 of LEVEL.)
		DETECT COLOR	$\boxed{\text{OFF}}$/EXEC	Sets this item to the EXEC position to detect color of multi matrix. (Align the VF gate marker to any of the color area that is divided into 16 divisions in the direction of hue, and press the rotary encoder.)
		AXIS NUMBER	$\boxed{\text{B}}$/B+/MG–/MG/ MG+/R/R+/YL–/ YL/YL+/G–/G/G+/ CY/CY+/B–	Select the desired hue to be corrected.
		SATURATION	X ($\boxed{0}$)	Set the range in which multi matrix correction works.
		HUE	X ($\boxed{0}$)	Set the hue in which multi matrix correction works.
		MATRIX AREA IND.	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of indicating zebra pattern on the VF screen indicating the multi matrix correction detect area.
		MATRIX (MULTI)	$\boxed{\text{ON}}$/OFF	Selects wheather the matrix correction values set on this page are valid or not.
27	LEVEL 10	MATRIX	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the linear matrix correction function. (Same as MATRIX on the FUNCTION 1/2 pages.)
		MATRIX TABLE	$\boxed{\text{A}}$/B	Selects the matrix table. (Two status of A and B can be saved.)
		R-G	X ($\boxed{0}$)	Sets the matrix coefficient.
		R-B	X ($\boxed{0}$)	
		G-R	X ($\boxed{0}$)	
		G-B	X ($\boxed{0}$)	
		B-R	X ($\boxed{0}$)	
		B-G	X ($\boxed{0}$)	
		MATRIX (MASTER)	$\boxed{\text{ON}}$/OFF	Selects wheather the matrix coefficient set on this page is valid or not.
28	LEVEL 11	H PHASE	X ($\boxed{0}$)	Adjust the camera H phase during external sync lock mode.
		SC PHASE	X ($\boxed{0}$)	Adjust the camera subcarrier phase during external sync lock mode.
		SC 0/180 SEL.	0/180 ($\boxed{0}$)	Inverts the SC phase of the camera in the external genlock mode.
		SC-H	X ($\boxed{0}$)	Set the SC-H phase.
29	LEVEL 12	IRIS SET	X ($\boxed{0}$)	Sets the auto iris reference level.
		IRIS MODE	X ($\boxed{0}$)	Sets sensitivity of AUTO iris. + (PEAK) ↔ – (AVERAGE)
		IRIS WEIGHT	$\boxed{0}$/1/2/3/4	Sets the valid range of the auto iris.  Note : The area shown by oblique lines are weighted during AUTO iris mode.
		IRIS SPEED	0/1/$\boxed{2}$/3/4/5	Set the response speed of AUTO iris in the range of 0 (fast) ↔ 5 (slow).
		CLIP HIGH LIGHT	ON/$\boxed{\text{OFF}}$	Limits the auto iris detection to 100% for the subject of high brightness (video level: 100% or more)

No.	Page	Item	Setup	Description
30	W-SHADING G			Used for the G channel white shading adjustment.
		H SAW	X ($\boxed{0}$)	Adjusts amount of the H. SAW correction.
		H PARA	X ($\boxed{0}$)	Adjusts amount of the H. PARA correction.
		V SAW	X ($\boxed{0}$)	Adjusts amount of the V. SAW correction.
		V PARA	X ($\boxed{0}$)	Adjusts amount of the V. PARA correction.
		H SAW (EXT)	X ($\boxed{0}$)	Adjusts amount of the H. SAW correction when lens extender is in use.
		H PARA (EXT)	X ($\boxed{0}$)	Adjusts amount of the H. PARA correction when lens extender is in use.
		V SAW (EXT)	X ($\boxed{0}$)	Adjusts amount of the V. SAW correction when lens extender is in use.
		V PARA (EXT)	X ($\boxed{0}$)	Adjusts amount of the V. PARA correction when lens extender is in use.
		SHAD COMP.	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the G channel white shading correction function.
		TEST OUT	$\boxed{\text{ENC}}$/R/G/B	Sets the type of the video signal output from the TEST OUT connector. (Same as TEST OUT item of the "FUNCTION 1/2" page.)
31	W-SHADING R			Used for the R channel white shading adjustment.
		H SAW	X ($\boxed{0}$)	Adjusts amount of the H. SAW correction.
		H PARA	X ($\boxed{0}$)	Adjusts amount of the H. PARA correction.
		V SAW	X ($\boxed{0}$)	Adjusts amount of the V. SAW correction.
		V PARA	X ($\boxed{0}$)	Adjusts amount of the V. PARA correction.
		H SAW (EXT)	X ($\boxed{0}$)	Adjusts amount of the H. SAW correction when lens extender is in use.
		H PARA (EXT)	X ($\boxed{0}$)	Adjusts amount of the H. PARA correction when lens extender is in use.
		V SAW (EXT)	X ($\boxed{0}$)	Adjusts amount of the V. SAW correction when lens extender is in use.
		V PARA (EXT)	X ($\boxed{0}$)	Adjusts amount of the V. PARA correction when lens extender is in use.
		SHAD COMP.	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the R channel white shading correction function.
		TEST OUT	$\boxed{\text{ENC}}$/R/G/B	Sets the type of the video signal output from the TEST OUT connector. (Same as TEST OUT item of the "FUNCTION 1/2" page.)
32	W-SHADING B			Used for the B channel white shading adjustment.
		H SAW	X ($\boxed{0}$)	Adjusts amount of the H. SAW correction.
		H PARA	X ($\boxed{0}$)	Adjusts amount of the H. PARA correction.
		V SAW	X ($\boxed{0}$)	Adjusts amount of the V. SAW correction.
		V PARA	X ($\boxed{0}$)	Adjusts amount of the V. PARA correction.
		H SAW(EXT)	X ($\boxed{0}$)	Adjusts amount of the H. SAW correction when lens extender is in use.
		H PARA(EXT)	X ($\boxed{0}$)	Adjusts amount of the H. PARA correction when lens extender is in use.
		V SAW(EXT)	X ($\boxed{0}$)	Adjusts amount of the V. SAW correction when lens extender is in use.
		V PARA(EXT)	X ($\boxed{0}$)	Adjusts amount of the V. PARA correction when lens extender is in use.
		SHAD COMP.	$\boxed{\text{ON}}$/OFF	Turns ON/OFF the B channel white shading correction function.
		TEST OUT	$\boxed{\text{ENC}}$/R/G/B	Sets the type of the video signal output from the TEST OUT connector. (Same as TEST OUT item of the "FUNCTION 1/2" page.)
33	DCC ADJUSTMENT	D RANGE	300/350/400/450/ $\boxed{500}$/550/600	Sets the dynamic range when the DCC switch is set to ON.
		POINT	X ($\boxed{0}$)	Setting the lowest knee point when the DCC switch is set to ON.
		GAIN	X ($\boxed{0}$)	Setting the knee point when the DCC switch is set to ON.

No.	Page	Item	Setup	Description
34	OFFSET WHT			This page is used to add offset to the AUTO white balance value at all times. Data can be stored in the memory A-CH and the memory B-CH independently. (Refer to the Operation Manual for more details.)
		OFFSET WHITE<A>	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the offset white balance function (A-CH) Note : The following settings are not reflected unless the white balance automatic adjustment is performed.
		WARM-COOL<A>	X ($\boxed{0}$)	Sets the offset value. (A-CH)
		FINE<A>	X ($\boxed{0}$)	This item can be used for fine-adjustment of the above described WARM-COOL adjustment. (A-CH)
		OFFSET WHITE<B>	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the offset white balance function (B-CH) Note : The following settings are not reflected unless the white balance automatic adjustment is performed.
		WARM-COOL<B>	X ($\boxed{0}$)	Sets the offset value. (B-CH)
		FINE <B>	X ($\boxed{0}$)	This item can be used for fine-adjustment of the above described WARM-COOL adjustment. (B-CH)
35	PRESET WHT			Use this page to set the color temperature by MANUAL adjustment when WHITE preset is selected. (Refer to the Operation Manual for more details.)
		COLOR TEMP.<P>	X ($\boxed{3200}$)	Use this item to obtain the color temperature that is very close to the target color temperature. (The values shown on display are guide line.) Note : The R. GAIN and B. GAIN values also change accordingly.
		FINE<P>	X ($\boxed{0}$)	Use this item for fine adjustment of color temperature when the desired color temperature cannot be obtained by the above described COLOR TEMP.
		R GAIN<P>	X ($\boxed{0}$)	Use this item to obtain the desired color temperature during the WHITE preset mode, by changing R. GAIN.
		B GAIN<P>	X ($\boxed{0}$)	Use this item to obtain the desired color temperature during the WHITE preset mode, by changing B. GAIN.

No.	Page	Item	Setup	Description
36	OPERATION 1	R-G/B-G SEL.	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of adding the R-G and B-G signal to the video signal that is output from the TEST OUT connector.
		GAMMA TABLE	$\boxed{\text{A}}$/B/C/D/F	Selects the characteristics of the gamma correction.  A : Gamma of x:y = 1:4 B : Gamma of x:y = 1:5 C : Gamma of x:y = 1:4.5 D : Gamma of x:y = 1:0.7 F : Gamma kine film
		LOW LIGHT	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the LOW LIGHT indication function of VF.
		LOW LIGHT LEVEL	X($\boxed{0}$)	Sets the starting level of LOW LIGHT indication when the above described LOW LIGHT function is set to ON. Note : When menu is being displayed, "L" is indicated instead of "LOW LIGHT" indication. (example) LOW LIGHT LEVEL : L 0
		SELECT BARS	SMPTE/EBU/SNG ∗Default value SMPTE (NTSC) EBU (PAL)	Sets the type of built-in color bars signal SMPTE : SMPTE color bars EBU : EBU color bars (PAL)/Full color bars (NTSC) SNG : SNG color bars
		WHITE BCH	ATW/$\boxed{\text{AWB}}$	Sets the function of white balance (B-CH) ATW : Auto tracing white balance AWB : Auto white balance
		BATTERY WARNING	$\boxed{\text{10\%}}$/20%	Sets the blinking (alarm) starting level of the remaining amount of battery in ANTON BAUER Inc., battery. 10% : Starts blinking when the remaining amount of battery voltage reaches about 0.67 V. 20% : Starts showing the 20% display when the remaining amount of battery voltage reaches about 1.33 V, and starts blinking at about 1.0 V.
		WIDE AWB	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the function of widening the adjustment range of auto white balance.
		ZEBRA	ON/$\boxed{\text{OFF}}$	Turns ON/OFF the zebra pattern indication when a VF that is not equipped with the ZEBRA switch.
		TURBO SW INDEP.	ON/$\boxed{\text{OFF}}$	ON : Turns ON/OFF the TURBO GAIN function using the TURBO GAIN button, independent from the GAIN switch (L/M/H). OFF : Set to OFF during normal operation.

No.	Page	Item	Setup	Description
37	OPERATION 2	AWB LEVEL GATE	[ON]/OFF	Selects the desired detection mode for the white balance automatic adjustment. ON : Detects the white level to adjust the white balance. OFF : Detects the signal level around the center of the screen to adjust the white balance.
		REVERSE IMAGE	ON/[OFF]	Turns ON/OFF the image inversion function. (This item is displayed only when the image inverter board BKDW-704 is installed.)
		H DELAY	X ([0])	Adjust the H phase during image inversion mode. (This item is displayed only when the image inverter board BKDW-704 is installed.)
		REC TALLY	[UPPER]/BOTH	Selection of LEDs inside VF to be turned on during REC. UPPER : Only the LED in the top center of VF BOTH : Only the LEDs in the top center and bottom center of VF
		TIME CODE DISP	[OFF]/VF/TEST/ BOTH	Turns ON/OFF the function of outputting the time code to TEST OUT and on the VF screen. OFF : Outputs no time code. VF : Outputs the time code to the viewfinder only. TEST : Outputs the time code to the TEST OUT connector only. BOTH : Outputs the time code to the viewfinder and TEST OUT connector.
		LOOP RECORDING	[OFF]/1/2/4/8 (sec)	Turns ON/OFF the loop recording function and selects the loop recording time. (This item is displayed only when the picture cache board BKDW-703 is installed.)
38	FRM SHUTTER			(This page is displayed only when the frame shutter unit BKDW-705 is installed.)
		FRM SHUTTER UNIT	ON/[OFF]	Turns ON/OFF the frame shutter function.
		TOTAL OP TIME		Indicates the running hours of the frame shutter function.
39	SG ADJ.	H BLANKING WIDTH	X ([0])	Sets the H blanking width.
		V BLANKING WIDTH	[20H]/21H	Set the V blanking width (20H/21H). (NTSC only)
40	ENC ADJ.	BURST START	X ([0])	Sets the starting position of the burst signal of the encoder output.
		BURST STOP	X ([0])	Sets the ending position of the burst signal of the encoder output.
		R-Y CAR. BAL.	X ([0])	Adjusts the R-Y carrier balance of the encoder output.
		B-Y CAR. BAL.	X ([0])	Adjusts the B-Y carrier balance of the encoder output.
		SYNC START	X ([0])	Sets the starting position of the sync signal of the encoder output.
		SYNC STOP	X ([0])	Sets the ending position of the sync signal of the encoder output.
		INT SC FREQ.	X ([0])	Adjusts the carrier frequency . (NTSC only)
41	DATA RESET			Returns the setup values and adjustment values of the respective modes to the default setting when shipped from factory.
		User	To be executed by pressing the rotary encoder.	Resets the data set in the user mode.
		Engineer	To be executed by pressing the rotary encoder.	Resets the data that is set by the engineer mode.
42	MENU SEL. 1	MARKER 1/3	[ON]/OFF	Selects the pages to be displayed in the user mode.
		MARKER 2/3	ON/[OFF]	
		MARKER 3/3	ON/[OFF]	
		VF DISP 1/2	[ON]/OFF	
		VF DISP 2/2	[ON]/OFF	
		MASTER GAIN	[ON]/OFF	
		SHOT ID	[ON]/OFF	
		SHOT DATA	[ON]/OFF	
		SHUTTER	ON/[OFF]	
		! LED	ON/[OFF]	

No.	Page	Item	Setup	Description
43	MENU SEL. 2	SETUP CARD	[✓ ON]/OFF	Selects the pages to be displayed in the user mode. (The WIDE SCREEN page appears when DVW-790WS/790WSP/709WS/709WSP is used.)
		FUNCTION 1/2	ON/[✓ OFF]	
		FUNCTION 2/2	ON/[✓ OFF]	
		WIDE SCREEN	ON/[✓ OFF]	
		VF SETTING	ON/[✓ OFF]	
		LEVEL 1<Detail>	ON/[✓ OFF]	
		LEVEL 2<Detail>	ON/[✓ OFF]	
		LEVEL 1<4:3DTL>	ON/[✓ OFF]	
		LEVEL 2<4:3DTL>	ON/[✓ OFF]	
44	MENU SEL. 3	LEVEL 3<SKnDTL>	ON/[✓ OFF]	Selects the pages to be displayed in the user mode.
		LEVEL 4<Knee>	ON/[✓ OFF]	
		LEVEL 5<AdjENC>	ON/[✓ OFF]	
		LEVEL 6<AdjENC>	ON/[✓ OFF]	
		LEVEL 7<BlkFlr>	ON/[✓ OFF]	
		LEVEL 8<Gamma>	ON/[✓ OFF]	
		LEVEL 9<Matrix>	ON/[✓ OFF]	
		LEVEL 10<Matrix>	ON/[✓ OFF]	
		LEVEL 11<SC-H>	ON/[✓ OFF]	
		LEVEL 12<A.Iris>	ON/[✓ OFF]	
45	MENU SEL. 4	W-SHADING G	ON/[✓ OFF]	Selects the pages to be displayed in the user mode.
		W-SHADING R	ON/[✓ OFF]	
		W-SHADING B	ON/[✓ OFF]	
		DCC ADJ.	ON/[✓ OFF]	
		OFFSET WHT	ON/[✓ OFF]	
		PRESET WHT	ON/[✓ OFF]	
		OPERATION 1	ON/[✓ OFF]	
		OPERATION 2	[✓ ON]/OFF	
		FRM SHUTTER	ON/[✓ OFF]	
46	MENU SEL. 5	SG ADJ.	ON/[✓ OFF]	Selects the pages to be displayed in the user mode.
		ENC ADJ.	ON/[✓ OFF]	
		DATA RESET	ON/[✓ OFF]	
		CAMERAMAN 1-5	[✓ ON]/OFF	
47	MEASUREMENT			Turns ON/OFF the functions that implement all the necessary settings to execute measurements of various characteristics. (Various settings are returned to the original values when this item is set to OFF.)
		S/N	ON/[✓ OFF]	Turns ON the necessary settings during S/N measurement. (DETAIL, APERTURE, CHROMA, GAMMA and MATRIX settings are set to OFF.)
		MODULATION	ON/[✓ OFF]	Turns ON the necessary settings during modulation measurement. (DETAIL, APERTURE, GAMMA and MATRIX settings are set to OFF.)
		RESOLUTION	ON/[✓ OFF]	Turns ON the necessary settings during resolution measurement. (MATRIX setting is set to OFF.)
		SENSITIVITY	ON/[✓ OFF]	Turns ON the necessary settings during sensitivity measurement. (WHITE CLIP and KNEE settings are set to OFF.)
		REGISTRATION	ON/[✓ OFF]	Turns ON the necessary settings during registration measurement. (DETAIL and APERTURE settings are set to OFF.)
		MASTER BLACK	X ([✓ 0])	Adjusts the master black
		TEST OUT	[✓ ENC]/R/G/B	Selects the type of video signal to be output from the TEST OUT connector. (Same as TEST OUT item of the "FUNCTION 1/2" page)

3-1-3. Setup Menu List

The setup menu items can be written into the setup card. At the same time, turning ON/OFF and adjustment of functions can be implemented using the remote control unit RM-P9/B150.
The engineer-oriented menu that is displayed when the camcorder is switched to the engineer mode, includes the items that can be stored in the setup card, and the items that can be operated from the remote control unit RM-P9/B150.

SETUP C	Yes or No is displayed to indicate whether data can be written in the setup card.
RM-P9	M, P, or No is displayed to indicate whether this item can be operated when remote control unit RM-P9 is connected. M (MENU) : Can be operated at the bottom of the RM-P9. P (PANEL) : Can be operated in the front of the RM-P9. No : Cannot be operated by the RM-P9.
RM-B150	M, P, or No is displayed to indicate whether this item can be operated when remote control unit RM-B150 is connected. M (MENU) : Can be operated at the bottom of the RM-B150. P (PANEL) : Can be operated in the front of the RM-B150. No : Cannot be operated by the RM-B150.
F-SET	Sets the factory default value.
C-SET	Write the setting state of the customer.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
1	MARKER 1/3	SAFETY ZONE	YES	M	M	ON		
		SAFETY AREA	YES	M	M	90		
		CENTER	YES	M	M	OFF		
		CENTER H	YES	M	M	0		
		CENTER V	YES	M	M	0		
2	MARKER 2/3	BOX CURSOR	YES	M	M	OFF		
		BOX WIDTH	YES	M	M	0		
		BOX HEIGHT	YES	M	M	0		
		BOX H	YES	M	M	0		
		BOX V	YES	M	M	0		
3	MARKER 3/3	TEST OUT MIX	YES	M	M	OFF		
		RET MIX	YES	M	M	OFF		
		TEST OUT VF DISP	YES	M	M	OFF		
		TEST OUT MENU	YES	M	M	OFF		
		RM VF MENU INH.	YES	M	M	ON		
4	VF DISP 1/2	DISP MODE	YES	M	M	3		
		EXTENDER	YES	M	M	ON		
		ZOOM	YES	M	M	ON		
5	VF DISP 2/2	FILTER	YES	M	M	ON		
		WHITE	YES	M	M	ON		
		GAIN	YES	M	M	ON		
		SHUTTER	YES	M	M	ON		
		TAPE	YES	M	M	ON		
		AUDIO	YES	M	M	ON		
		IRIS	YES	M	M	ON		
6	MASTER GAIN	LOW	YES	M	M/P(*1)	0 dB		
		MID	YES	M	M/P(*1)	9 dB		
		HIGH	YES	M	M/P(*1)	18 dB		
		TURBO	YES	M	M	42 dB		
7	SHOT ID	ID-1	YES	M	M			
		ID-2	NO	M	M			
		ID-3	NO	M	M			
		ID-4	NO	M	M			
8	SHOT DISP	DATE	YES	M	M	OFF		
		TIME	YES	M	M	OFF		
		MODEL NAME	YES	M	M	OFF		
		SERIAL NO.	YES	M	M	OFF		
		CASSTTE NO.	YES	M	M	OFF		
		SHOT NO.	YES	M	M	OFF		
		ID SELECT	YES	M	M	OFF		

*1 : The RM configuration menu of RM-B150 is used.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
9	SHUTTER	EVS	YES	P	P	ON		
		CLS	YES	P	P	ON		
		1/100(NTSC) 1/60(PAL)	YES	P	P	ON		
		1/125	YES	P	P	ON		
		1/250	YES	P	P	ON		
		1/500	YES	P	P	ON		
		1/1000	YES	P	P	ON		
		1/2000	YES	P	P	ON		
10	!' LED	MASTER GAIN	YES	M	M	ON		
		SHUTTER ON	YES	M	M	ON		
		WHITE PRESET	YES	M	M	OFF		
		ATW RUN	YES	M	M	OFF		
		EXTENDER ON	YES	M	M	ON		
		FILTER 2,3,4	YES	M	M	OFF		
		FILTER A,C,D	YES	M	M	OFF		DVW-790WS/790WSP/ 709W/709WSP only
		A.IRIS OVERRIDE	YES	M	M	OFF		
11	SETUP CARD	READ (→ CAM)		M	M			
		WRITE (→ CARD)		M	M			
		ID EDIT		M	M			
		WRITE PROTECT		M	M	OFF		
		WHITE DATA		M	M	OFF		
12	FUNCTION 1/2	TEST OUT	NO	M	M	ENC		
		DETAIL	YES	M	M	ON		
		APERTURE	YES	M	M	ON		
		SKIN TONE DTL	YES	M	M	OFF		
		MATRIX	YES	M	M	OFF (J) ON (except J)		
		GAMMA	YES	M	M	ON		
		BLACK GAMMA	YES	M	M	OFF		
		CHROMA	YES	M	M	ON		
		TEST SAW	YES	P(*2)	P/M(*3)	OFF		
		CROSS COLOR FLT	YES	M	M	OFF		
13	FUNCTION 2/2	GENLOCK	YES	M	M	ON		
		CAM RET.	YES	M	M	OFF		
		FILTER INH.	YES	M	M	OFF		
		FIELD/FRAME	YES	M	M	FIELD		
		A.IRIS OVERRIDE	YES	P	P	OFF		
		DCC FUNCTION SEL	YES	M	M	DCC		
		REAR BNC OUT	YES	M	M	VBS		When BKDW-702 is installed.
		VTR MODE	YES	M	M	OFF		
		REC INHIBIT (CCU)	YES	M	M	ON		
		ASSIGNABLE SW	YES	M	M	OFF		

*2 : It can be set from the setup menu. However, if the setup menu and the adjustment control of the RM-P9 are used at the same time, the setup value may not be reflected correctly.

*3 : However, the adjustment items that are set to the absolute mode by the RM configuration menu and the TEST signal output ON/OFF , cannot be changed from the setup menu if RM-B150 is set to the panel-active.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
14	WIDE SCREEN	16:9/4:3 MODE	YES	M	M	16:9		DVW-790WS/790WSP/ 709WS/709WSP only
		VF ASPECT	YES	M	M	AUTO		
		BOX/4:3/14:9 LIMITS	YES	M	M	BOX		
		16:9 BARS ID	YES	M	M	OFF		
		16:9 VF ID	YES	M	M	OFF		
15	VF SETTING	ZEBRA 1 DETECT	YES	M	M	70		
		ZEBRA 1 APERTURE	YES	M	M	10		
		ZEBRA 2 DETECT	YES	M	M	100		
		ZEBRA SELECT	YES	M	M	1		
		TEST OUT ZEBRA	YES	M	M	OFF		
		VF DTL LEVEL	YES	M	M	0		
16	LEVEL 1	DETAIL LVL	YES	P(*2)	P/M(*3)	0		
		H/V RATIO	YES	M	M	0		
		DTL FREQ	YES	M	M	0		
		CRISPENING	YES	M	M	0		
		APT. LEVEL	YES	M	M	0		
		DTL W.CLP	YES	M	M	0		
		DTL V B.CLP	YES	M	M	0		
		DTL H B.CLP	YES	M	M	0		
		LVL DEPEND	YES	M	M	ON		
		L.DEP.LVL	YES	M	M	0		
17	LEVEL 2	KNEE APT	YES	M	M	OFF		
		K.APT.LVL	YES	M	M	0		
		DTL COMB	YES	M	M	0		
		C.C.S.LVL	YES	M	M	0		NTSC only
18	LEVEL 1#4:3	DETAIL LVL	YES	P(*2)	P/M(*3)	0		DVW-790WS/790WSP/ 709WS/709WSP only
		H/V RATIO	YES	M	M	0		
		DTL FREQ	YES	M	M	0		
		CRISPENING	YES	M	M	0		
		APT. LEVEL	YES	M	M	0		
		DTL W.CLP	YES	M	M	0		
		DTL V B.CLP	YES	M	M	0		
		DTL H B.CLP	YES	M	M	0		
		LVL DEPEND	YES	M	M	ON		
		L.DEP.LVL	YES	M	M	0		
19	LEVEL 2#4:3	KNEE APT	YES	M	M	OFF		DVW-790WS/790WSP/ 709WS/709WSP only
		K.APT.LVL	YES	M	M	0		
		DTL COMB	YES	M	M	0		
		C.C.S.LVL	YES	M	M	0		DVW-790WS/709WS only NTSC only

*2 : It can be set from the setup menu. However, if the setup menu and the adjustment control of the RM-P9 are used at the same time, the setup value may not be reflected correctly.

*3 : However, the adjustment items that are set to the absolute mode by the RM configuration menu and the TEST signal output ON/OFF , cannot be changed from the setup menu if RM-B150 is set to the panel-active.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
20	LEVEL 3	SKIN TONE DTL	YES	M	P/M(*4)	OFF		
		SKIN TONE DET	YES	M	M	OFF		
		SUPPRESS LEVEL	YES	M	M	0		
		SATURATION	YES	M	M	0		
		HUE	YES	M	M	0		
		WIDTH	YES	M	M	0		
		SKIN AREA IND.	NO	M	M	OFF		
21	LEVEL 4	MASTER BLACK	YES	P(*2)	P/M(*3)	0		
		MASTER GAMMA	YES	P(*2)	P/M(*3)	0		
		MASTER BLK GAMMA	YES	M	P/M(*4)	0		
		KNEE POINT	YES	P(*2)	P/M(*3)	0		
		KNEE SLOPE	YES	M	M	0		
		KNEE SATURATION	YES	M	M	0		
		KNEE	YES	M	M	ON		
		WHITE CLIP	YES	M	M	ON		
		WHITE CLIP LEVEL	YES	M	M	0		
22	LEVEL 5	BURST LEVEL	YES	M	M	0		
		BURST PHASE	YES	M	M	0		PAL only
		R-Y	YES	M	M	ON		
		B-Y	YES	M	M	ON		
		R-Y LEVEL	YES	M	M	0		
		B-Y LEVEL	YES	M	M	0		
		R-Y LEVEL (4:3)	YES	M	M	0		DVW-790WS/790WSP/ 709WS/709WSP only
		B-Y LEVEL (4:3)	YES	M	M	0		
23	LEVEL 6	RGB LEVEL	YES	M	M	0		
		RGB SYNC LVL.	YES	M	M	0		
		RGB SETUP LVL.	YES	M	M	0		
		ENC Y LEVEL	YES	M	M	0		
		ENC SYNC LVL.	YES	M	M	0		
		ENC SETUP LVL.	YES	M	M	0		
		RGB LEVEL (4:3)	YES	M	M	0		DVW-790WS/790WSP/ 709WS/709WSP only
		ENC Y LEVEL (4:3)	YES	M	M	0		
24	LEVEL 7	R BLACK	YES	P(*2)	P/M(*3)	0		
		G BLACK	YES	M	M	0		
		B BLACK	YES	P(*2)	P/M(*3)	0		
		R FLARE	YES	M	P/M(*4)	0		
		G FLARE	YES	M	M	0		
		B FLARE	YES	M	P/M(*4)	0		
		FLARE	YES	M	M	ON		
		TEST OUT	NO	M	M	ENC		

*2 : It can be set from the setup menu. However, if the setup menu and the adjustment control of the RM-P9 are used at the same time, the setup value may not be reflected correctly.

*3 : However, the adjustment items that are set to the absolute mode by the RM configuration menu and the TEST signal output ON/OFF , cannot be changed from the setup menu if RM-B150 is set to the panel-active.

*4 : It can be allocated to the respective adjustment controls on the RM-B150 using the RM configuration menu.
However, if some items are set to the absolute value mode by the RM configuration menu, the corresponding adjustment items cannot be changed from the setup menu if RM-B150 is set to panel-active.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
25	LEVEL 8	GAMMA TABLE	YES	M	M	A		
		MASTER GAMMA	YES	P(*2)	P/M(*3)	0		
		R GAMMA	YES	M	M	0		
		G GAMMA	YES	M	M	0		
		B GAMMA	YES	M	M	0		
		BLACK GAMMA RANGE	YES	M	M	HI		
		MASTER BLACK GAMMA	YES	M	P/M(*4)	0		
		R BLACK GAMMA	YES	M	M	0		
		G BLACK GAMMA	YES	M	M	0		
		B BLACK GAMMA	YES	M	M	0		
26	LEVEL 9	MATRIX	YES	M	M	OFF		
		MATRIX TABLE	YES	M	M	A		
		DETECT COLOR	NO	M	M	OFF		
		AXIS NUMBER	YES	M	M	B		
		SATURATION	YES	M	M	0		
		HUE	YES	M	M	0		
		MATRIX AREA IND.	NO	M	M	OFF		
		MATRIX (MULTI)	NO	M	M	ON		
27	LEVEL 10	MATRIX	YES	M	M	OFF		
		MATRIX TABLE	YES	M	M	A		
		R-G	YES	M	M	0		
		R-B	YES	M	M	0		
		G-R	YES	M	M	0		
		G-B	YES	M	M	0		
		B-R	YES	M	M	0		
		B-G	YES	M	M	0		
		MATRIX (MASTER)	NO	M	M	ON		
28	LEVEL 11	H PHASE	YES	M	M	0		
		SC PHASE	YES	M	M	0		
		SC 0/180 SEL.	YES	M	M	0		
		SC-H	YES	M	M	0		
29	LEVEL 12	IRIS SET	YES	M	M	0		
		IRIS MODE	YES	M	M	0		
		IRIS WEIGHT	YES	M	M	0		
		IRIS SPEED	YES	M	M	2		
		CLIP HIGH LIGHT	YES	M	M	OFF		

*2 : It can be set from the setup menu. However, if the setup menu and the adjustment control of the RM-P9 are used at the same time, the setup value may not be reflected correctly.

*3 : However, the adjustment items that are set to the absolute mode by the RM configuration menu and the TEST signal output ON/OFF , cannot be changed from the setup menu if RM-B150 is set to the panel-active.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
30	W-SHADING G	H SAW	YES	M	M	0		
		H PARA	YES	M	M	0		
		V SAW	YES	M	M	0		
		V PARA	YES	M	M	0		
		H SAW (EXT)	YES	M	M	0		
		H PARA (EXT)	YES	M	M	0		
		V SAW (EXT)	YES	M	M	0		
		V PARA (EXT)	YES	M	M	0		
		SHAD COMP.	YES	M	M	ON		
		TEST OUT	YES	M	M	ENC		
31	W-SHADING R	H SAW	YES	M	M	0		
		H PARA	YES	M	M	0		
		V SAW	YES	M	M	0		
		V PARA	YES	M	M	0		
		H SAW (EXT)	YES	M	M	0		
		H PARA (EXT)	YES	M	M	0		
		V SAW (EXT)	YES	M	M	0		
		V PARA (EXT)	YES	M	M	0		
		SHAD COMP.	YES	M	M	ON		
		TEST OUT	YES	M	M	ENC		
32	W-SHADING B	H SAW	YES	M	M	0		
		H PARA	YES	M	M	0		
		V SAW	YES	M	M	0		
		V PARA	YES	M	M	0		
		H SAW (EXT)	YES	M	M	0		
		H PARA (EXT)	YES	M	M	0		
		V SAW (EXT)	YES	M	M	0		
		V PARA (EXT)	YES	M	M	0		
		SHAD COMP.	YES	M	M	ON		
		TEST OUT	YES	M	M	ENC		
33	DCC ADJUSTMENT	D RANGE	YES	M	M	500		
		POINT	YES	M	M	0		
		GAIN	YES	P(*2)	P/M(*3)	0		
34	OFFSET WHT	OFFSET WHITE (A)	YES	M	M	OFF		
		WARM-COOL (A)	YES	M	M	0		
		FINE (A)	YES	M	M	0		
		OFFSET WHITE (B)	YES	M	M	OFF		
		WARM-COOL (B)	YES	M	M	0		
		FINE (B)	YES	M	M	0		

*2 : It can be set from the setup menu. However, if the setup menu and the adjustment control of the RM-P9 are used at the same time, the setup value may not be reflected correctly.

*3 : However, the adjustment items that are set to the absolute mode by the RM configuration menu and the TEST signal output ON/OFF , cannot be changed from the setup menu if RM-B150 is set to the panel-active.

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
35	PRESET WHT	COLOR TEMP (P)	YES	M	M	3200		
		FINE (P)	YES	M	M	0		
		R GAIN (P)	YES	M	M	0		
		B GAIN (P)	YES	M	M	0		
36	OPERATION 1	R-G/B-G SEL.	YES	M	M	OFF		
		GAMMA TABLE	YES	M	M	A		
		LOW LIGHT	YES	M	M	OFF		
		LOW LIGHT LEVEL	YES	M	M	0		
		SELECT BARS	YES	M	M	SMPTE (NTSC) EBU (PAL)		
		WHITE BCH	YES	NO	NO	AWB		
		BATTERY WARNING	YES	M	M	10%		
		WIDE AWB	YES	M	M	OFF		
		ZEBRA	YES	M	M	OFF		
		TURBO SW INDEP.	YES	M	M	OFF		
37	OPERATION 2	AWB LEVEL GATE	YES	M	M	ON		
		REVERSE IMAGE	YES	M	M	OFF		When BKDW-704 is installed.
		H DELAY	YES	M	M	0		When BKDW-704 is installed.
		REC TALLY	YES	M	M	UPPER		
		TIME CODE DISP	YES	M	M	OFF		
		LOOP RECORDING	YES	M	M	OFF		When BKDW-703 is installed.
38	FRM SHUTTER	FRM SHUTTER UNIT	YES	M	M	OFF		When BKDW-705 is installed.
		TOTAL OP TIME				0H		When BKDW-705 is installed.
39	SG ADJ.	H BLANKING WIDTH	YES	M	M	0		
		V BLANKING WIDTH	YES	M	M	20H		NTSC only
40	ENC ADJ.	BURST START	YES	M	M	0		
		BURST STOP	YES	M	M	0		
		R-Y CAR. BAL.	YES	M	M	0		
		B-Y CAR. BAL.	YES	M	M	0		
		SYNC START	YES	M	M	0		
		SYNC STOP	YES	M	M	0		
		INT SC FREQ.	YES	M	M	0		NTSC only
41	DATA RESET	USER		M	M			
		ENGINEER		M	M			
42	MENU SEL. 1	MARKER 1/3	YES	M	M	ON		
		MARKER 2/3	YES	M	M	OFF		
		MARKER 3/3	YES	M	M	OFF		
		VF DISP 1/2	YES	M	M	ON		
		VF DISP 2/2	YES	M	M	ON		
		MASTER GAIN	YES	M	M	ON		
		SHOT ID	YES	M	M	ON		
		SHOT DATA	YES	M	M	ON		
		SHUTTER	YES	M	M	OFF		
		! LED	YES	M	M	OFF		

No.	Page	Item	Setup C	RM-P9	RM-B150	F-SET	C-SET	Remark
43	MENU SEL. 2	Setup CARD	YES	M	M	ON		
		FUNCTION 1/2	YES	M	M	OFF		
		FUNCTION 2/2	YES	M	M	OFF		
		VF SETTING	YES	M	M	OFF		
		WIDE SCREEN	YES	M	M	OFF		DVW-790WS/790WSP/ 709WS/709WSP only
		LEVEL 1<Detail>	YES	M	M	OFF		
		LEVEL 2<Detail>	YES	M	M	OFF		
		LEVEL 1<4:3DTL>	YES	M	M	OFF		
		LEVEL 2<4:3DTL>	YES	M	M	OFF		
44	MENU SEL. 3	LEVEL 3<SKnDTL>	YES	M	M	OFF		
		LEVEL 4<Knee>	YES	M	M	OFF		
		LEVEL 5<AdjENC>	YES	M	M	OFF		
		LEVEL 6<AdjENC>	YES	M	M	OFF		
		LEVEL 7<BlkFlr>	YES	M	M	OFF		
		LEVEL 8<Gamma>	YES	M	M	OFF		
		LEVEL 9<Matrix>	YES	M	M	OFF		
		LEVEL 10<Matrix>	YES	M	M	OFF		
		LEVEL 11<SC-H>	YES	M	M	OFF		
		LEVEL 12<A.Iris>	YES	M	M	OFF		
45	MENU SEL. 4	W-SHADING G	YES	M	M	OFF		
		W-SHADING R	YES	M	M	OFF		
		W-SHADING B	YES	M	M	OFF		
		DCC ADJ.	YES	M	M	OFF		
		OFFSET WHT	YES	M	M	OFF		
		PRESET WHT	YES	M	M	OFF		
		OPERATION 1	YES	M	M	OFF		
		OPERATION 2	YES	M	M	ON		
		FRM SHUTTER	YES	M	M	OFF		
46	MENU SEL. 5	SG ADJ.	YES	M	M	OFF		
		ENC ADJ.	YES	M	M	OFF		
		DATA RESET	YES	M	M	OFF		
		CAMERAMAN 1-5	YES	M	M	ON		
47	MEASUREMENT	S/N		M	M	OFF		
		MODULATION		M	M	OFF		
		RESOLUTION		M	M	OFF		
		SENSITIVITY		M	M	OFF		
		REGISTRATION		M	M	OFF		
		MASTER BLACK	YES	P(*2)	P/M(*3)	0		
		TEST OUT		M	M	ENC		

*2 : It can be set from the setup menu. However, if the setup menu and the adjustment control of the RM-P9 are used at the same time, the setup value may not be reflected correctly.

*3 : However, the adjustment items that are set to the absolute mode by the RM configuration menu and the TEST signal output ON/OFF , cannot be changed from the setup menu if RM-B150 is set to the panel-active.

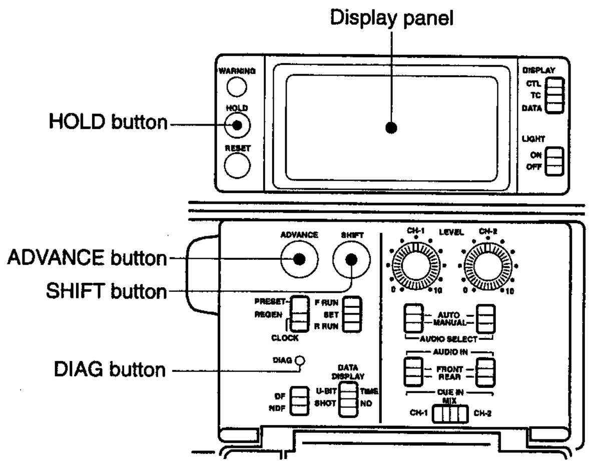
3-2. VTR (DIAG) Menu

The VTR (DIAG) menu is used for setting the maintenance menu of the VTR side and for various diagnostics.

Notes

- Use the VTR (DIAG) menu in the state in which the tape transport stopped.
- Do not execute the VTR (DIAG) menu when remote control RM-P9/B150 is connected. The self-diagnosis function and remote control function are not normally activated when the self-diagnosis is executed.

Switch description


Display panel
HOLD button
ADVANCE button
SHIFT button
DIAG button
WARNING
HOLD
RESET
DISPLAY
CTL
TC
DATA
LIGHT
ON
OFF
ADVANCE
SHIFT
CH-1
LEVEL
CH-2
PRESET
REGEN
F RUN
SET
R RUN
CLOCK
DIAG
DATA DISPLAY
AUTO
MANUAL
AUDIO SELECT
AUDIO IN
FRONT
REAR
CUE IN
MIX
DF
NDF
U-BIT
SHOT
TIME
NO
CH-1
CH-2

Operation

1. VTR (DIAG) menu activation
   Push the DIAG button on the inside panel with the tip of a clip so as to display the DIAG menu on the display panel.
   The VTR menu appears on the VF screen.

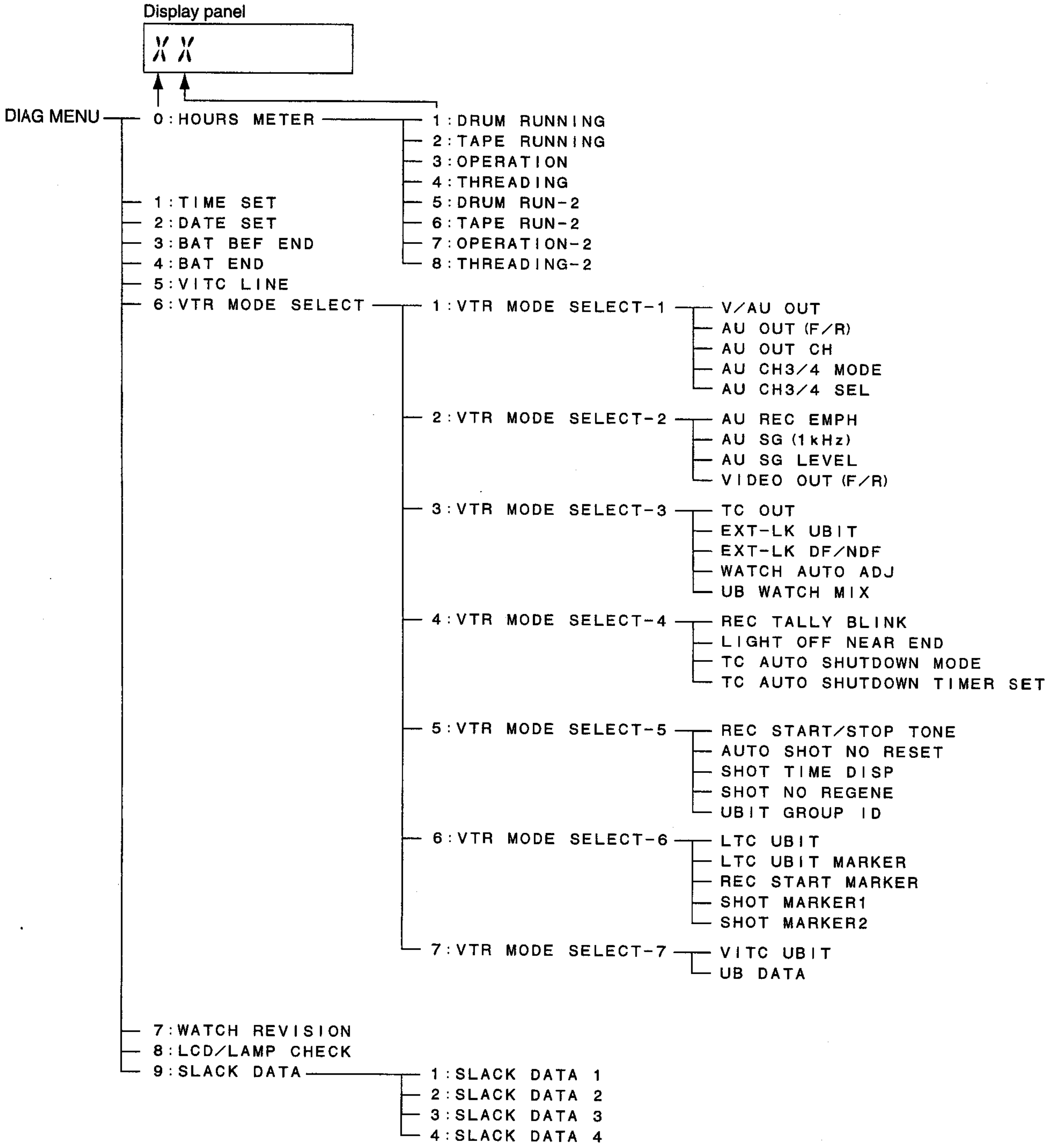
2. PAGE selection
   Press the ADVANCE button and select the PAGE.
   To increment the menu number, press the ADVANCE button.
   To decrement the menu number, press the ADVANCE and HOLD buttons simultaneously.
   After selection, Press the SHIFT button.
   Select the PAGE repeatedly until the desired ITEM is found.

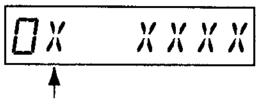
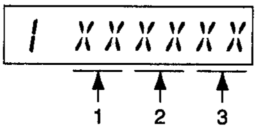
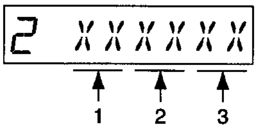
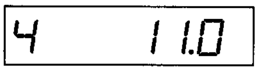
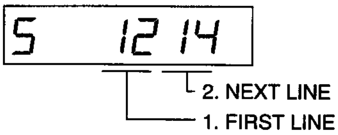
3. ITEM selection
   Press the ADVANCE button and select the ITEM.
   After selection, press the SHIFT button.

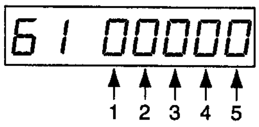
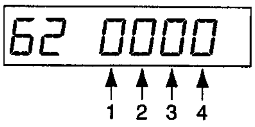
4. ITEM setting
   Press the ADVANCE button to change the set value.
   After change, press the SHIFT button.

5. VTR (DIAG) menu termination
   Press the DIAG button.

3-2. VTR (DIAG) Menu


Display panel
XX
DIAG MENU
0:HOURS METER
1:DRUM RUNNING
2:TAPE RUNNING
3:OPERATION
4:THREADING
5:DRUM RUN-2
6:TAPE RUN-2
7:OPERATION-2
8:THREADING-2
1:TIME SET
2:DATE SET
3:BAT BEF END
4:BAT END
5:VITC LINE
6:VTR MODE SELECT
1:VTR MODE SELECT-1
V/AU OUT
AU OUT (F/R)
AU OUT CH
AU CH3/4 MODE
AU CH3/4 SEL
2:VTR MODE SELECT-2
AU REC EMPH
AU SG (1kHz)
AU SG LEVEL
VIDEO OUT (F/R)
3:VTR MODE SELECT-3
TC OUT
EXT-LK UBIT
EXT-LK DF/NDF
WATCH AUTO ADJ
UB WATCH MIX
4:VTR MODE SELECT-4
REC TALLY BLINK
LIGHT OFF NEAR END
TC AUTO SHUTDOWN MODE
TC AUTO SHUTDOWN TIMER SET
5:VTR MODE SELECT-5
REC START/STOP TONE
AUTO SHOT NO RESET
SHOT TIME DISP
SHOT NO REGENE
UBIT GROUP ID
6:VTR MODE SELECT-6
LTC UBIT
LTC UBIT MARKER
REC START MARKER
SHOT MARKER1
SHOT MARKER2
7:VTR MODE SELECT-7
VITC UBIT
UB DATA
7:WATCH REVISION
8:LCD/LAMP CHECK
9:SLACK DATA
1:SLACK DATA 1
2:SLACK DATA 2
3:SLACK DATA 3
4:SLACK DATA 4

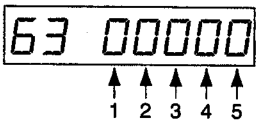
Display panel (Default setting)	VF screen (Default setting)	Description
DIAG 0 HOURS METER  1. DRUM RUNNING 2. TAPE RUNNING 3. OPERATION 4. THREADING 5. DRUM RUN-2 6. TAPE RUN-2 7. OPERATION-2 8. THREADING-2	VTR MENU-1 1. DRUM RUNNING xxxxxH 2. TAPE RUNNING xxxxxH 3. OPERATION xxxxxH 4. THREADING xxxxx 5. DRUM RUN-2 xxxxxH 6. TAPE RUN-2 xxxxxH 7. OPERATION-2 xxxxxH 8. THREADING-2 xxxxx	The contents below are displayed. (For more details, refer to 7-2-1, "Hours Meter".) 1. Total drum rotating hours 2. Total tape running hours 3. Total power-on time 4. Total number of threading 5. Drum rotating hour (Customer-resetable) 6. Tape running hour (Customer-resetable) 7. Power-on time (Customer-resetable) 8. The number of threading (Customer-resetable)
DIAG 1 TIME 	VTR MENU-2 TIME 1. HOUR xxH 2. MIN xxM 3. SEC xxS DATE 1. YEAR xx 2. MONTH xx 3. DAY xx	Internal timer setting. 1. Sets the hour. 2. Sets the minute. 3. Sets the second.
DIAG 2 DATE 		Internal timer date setting. 1. Sets the year. 2. Sets the mouth. 3. Sets the day.
DIAG 3 BATTERY VOLTAGE BEFORE END 	VTR MENU-3 BATTERY VOLTAGE 1. BEFORE END 11.3V 2. END 11.0V VITC INSERT LINE 1. 12LINE 2. 14LINE	Displays and sets the battery before end voltage. Battery before end voltage setting 11.0 to 13.0 V (in units of 0.1 V) "0" is displayed on the display plate when the setting is OK. "E" is displayed on the display plate when the setting is NG.
DIAG 4 BATTERY VOLTAGE END 		Displays and sets the battery end voltage. Battery end voltage setting 10.5 to 11.5 V (in units of 0.1 V) "0" is displayed on the display plate when the setting is OK. "E" is displayed on the display plate when the setting is NG.
DIAG 5 VITC INSERT LINE 		Displays and sets the VITC insertion line. 12 to 19 lines (For NTSC) 9 to 22 lines (For PAL)

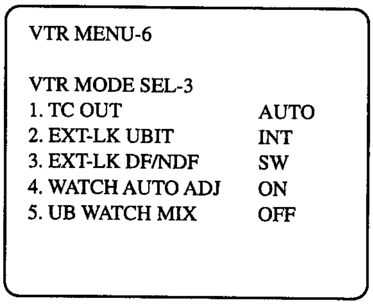
Display panel (Default setting)	VF screen (Default setting)	Description
DIAG 6-1 VTR MODE SEL-1  	VTR MENU-4 VTR MODE SEL-1 1. V/AU OUT AUTO 2. AU OUT(F/R) EE 3. AU OUT CH CH1/2 4. AU CH3/4 MODE SEL 5. AU CH3/4 SEL F/F	1. V/AU OUT : Sets the video and audio output. 0 (EE) : Outputs the PB/EE signal. 1 (EE) : Outputs the EE signal. 2. AU OUT (F/R) : Sets the audio output during FF/REW. (Valid when V/AU OUT is set to 0 (AUTO) and VIDEO OUT (F/R) of the VTR MODE SEL-2 is set to 1 (F/R).) 0 (EE) : Outputs the EE signal. 1 (CUE) : Outputs the CUE signal. 3. AU OUT CH : Sets the audio output channel. 0 (CH1/2) : CH1/2 1 (CH3/4) : CH3/4 4. AU REC CH3/4 : Selects the source during recording in CH3/4. 0 (CH1/2) : The same input signal as CH1 (or CH2) that is selected by the AUDIO IN switch. (CH3 and CH1 have the same input signal while CH4 and CH2 have the same input signal.) 1 (SEL) : The input signal that is set by the AU REC CH3/4 SELECT as shown below, is selected. (Manual setting) 2 (ALL) : The input signal that is opposite to CH1 (or CH2) selected by the AUDIO IN switch is selected. (When CH1 selects "FRONT", CH3 is automatically set to "REAR (1)".) 3 (–) : CH3 and CH4 are not recorded. 5. AU REC CH3/4 SELECT: The input signal to be recorded on CH3/4 is selected. (This selection becomes valid when the above described AU REC CH3/4 MODE is set to "1".) 0 (F/F) : CH3 CH4 : FRONT 1 (F/R) : CH3 : FRONT, CH4 : REAR (2) 2 (R/R) : CH3 : REAR (1), CH4 : REAR (2) 3 (R/F) : CH3 : REAR (1), CH4 : FRONT
DIAG 6-2 VTR MODE SEL-2  	VTR MENU-5 VTR MODE SEL-2 1. AU REC EMPH OFF 2. AU SG(1KHz) OFF 3. AU SG LEVEL –20dB 4. VIDEO OUT(F/R) EE	1. AU REC EMPH : Sets the audio emphasis (during recording) to ON or OFF. 0 (OFF) : OFF 1 (ON) : ON 2. AU SG (1 kHz) : Sets whether to generate a 1 kHz test signal when a color-bar signal is generated from the internal signal generator. 0 (OFF) : Not generates. 1 (AUTO) : Generates when the CH1 AUDIO SELECT switch on the inside panel is set to AUTO. 2 (ON) : Generates. 3. AU SG LEVEL : Sets the level of a 1 kHz test signal. 0 (–20 dBu) : –20 dBu (600 Ω) 1 (–18 dBu) : –18 dBu (600 Ω) 2 (–16 dBu) : –16 dBu (600 Ω) 4. VIDEO OUT (F/R) : Video output during FF/REW modes. (This setting becomes valid when V/AU OUT is set 0 "AUTO".) 0 (EE) : EE is output. 1 (F/R) : PB is output.

Display panel (Default setting) **VF screen (Default setting)** **Description**

DIAG 6-3

VTR MODE SEL-3



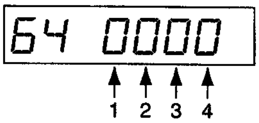

VTR MENU-6

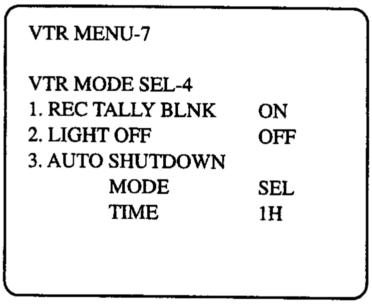
VTR MODE SEL-3
1. TC OUT AUTO
2. EXT-LK UBIT INT
3. EXT-LK DF/NDF SW
4. WATCH AUTO ADJ ON
5. UB WATCH MIX OFF

1. TC OUT : Sets the time code output.
   0 (AUTO) : Outputs PB/TCG.
   1 (GENE) : Outputs TCG.
2. EXT-LK UBIT : Sets the LTC UB set value when the time code is locked externally.
   0 (INT) : Internally set value
   1 (EXT) : External LTC value
3. EXT-LK DF/NDF : Sets the DF/NDF (NTSC only).
   0 (SW) : Conforms to the DF/NDF switch setting on the inside panel.
   1 (EXT) : Conforms to the external LTC setting.
4. WATCH AUTO ADJ :
   Sets the internal timer automatic time correction (according to the user's bit of the unit connected to TC OUT).
   0 (ON) : Corrects.
   1 (OFF) : Not correct.
5. UB WATCH MIX :
   Sets whether to output the time of an internal timer to the LTC UB.
   0 (OFF) : Not output.
   1 (ON) : Outputs.

DIAG 6-4

VTR MODE SEL-4




VTR MENU-7

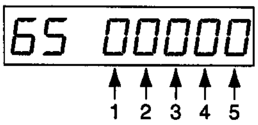
VTR MODE SEL-4
1. REC TALLY BLNK ON
2. LIGHT OFF OFF
3. AUTO SHUTDOWN
MODE SEL
TIME 1H

1. REC TALLY BLINK :
   Sets whether the TALLY lamp blinks during battery before end and tape before end.
   0 (ON) : Blinks.
   1 (OFF) : Lights.
2. LIGHT OFF NEAR END : Sets whether to turn off the light during battery before end.
   0 (OFF) : Turns off forcibly.
   1 (ON) : Not turn off.
3. TC AUTO SHUTDOWN MODE SELECT:
   Selection of the auto shutdown mode of time code generator.
   0 (SEL) : The auto shutdown mode is determined by the setting established by the TC AUTO SHUTDOWN TIMER SET as described below.
   1 (OFF) : When the POWER switch of DVW is set to OFF, the main power of time code generator is interlocked to be turned off.
   2 (CONT) : The main power of time code generator is not turned off even through the POWER witch of DVW is turned off.
4. TC AUTO SHUTDOWN TIMER SET:
   The auto shutdown time of time code generator is set.
   (This setting becomes valid when the above described TC AUTO SHUTDOWN MODE SELECT Is set to "0".)
   0 (1H) : 1 hour
   1 (3H) : 3 hours
   2 (8H) : 8 hours

Display panel (Default setting) **VF screen (Default setting)** **Description**

DIAG 6-5

VTR MODE SEL-5



```
VTR MENU-8

VTR MODE SEL-5
1. REC START/STOP      OFF
2. SHOT NO. RESET      OFF
3. SHOT TIME DISP      MD:HM
4. SHOT NO REGENE      OFF
5. UBIT GROUP ID       000
```

1. REC START/STOP TONE :
   Sets whether to output a sound when the REC START/STOP button is pressed.

   0 (OFF) : Outputs no sound.
   1 (ON) : Outputs a sound.
2. SHOT NO. RESET :
   Sets whether to reset the shot number automatically during tape-threading.

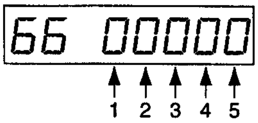
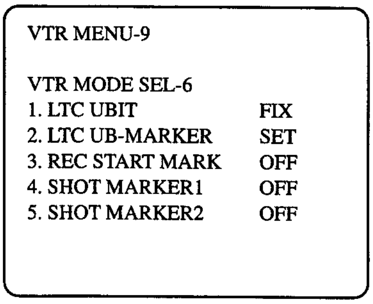
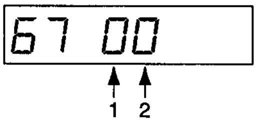
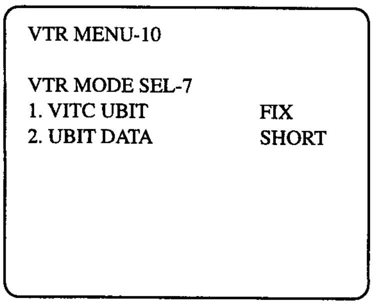
   0 (OFF) : Resets automatically.
   1 (ON) : Not reset.
3. SHOT TIME DISP : Sets the format of the time displayed on the display plate.

   0 (HD : HM) : Month Day : Hour Minute
   1 (DM : HM) : Day Month : Hour Minute
   2 (D : HMS) : Day : Hour Minute Second
4. SHOT No. REGENE:
   0 (OFF) : The shot No. that is arbitrarily set, is recorded.

   1 (ON) : The shot No. that is recorded on tape, is read out. The shot No. is recorded in a way the shot Nos. become the consecutive.
5. UBIT GROUP ID:
   Selection of the user's bit group ID

   0 (000) : 000

   1 (101) : 101

Display panel (Default setting)	VF screen (Default setting)	Description
DIAG 6-6 VTR MODE SEL-6 	VTR MENU-9 VTR MODE SEL-6 1. LTC UBIT FIX 2. LTC UB-MARKER SET 3. REC START MARK OFF 4. SHOT MARKER1 OFF 5. SHOT MARKER2 OFF	1. LTC UBIT : Sets the data recorded in the user bits of LTC. 0 (FIX) : Fixed data (Conventional-type user bits) 1 (TIME) : Time of internal timer (in real time) 2 (SHOT) : Shot data 2. LTC UB-MARKER : Sets whether to write the mark below in the user bits of LTC. REC start mark Shot mark 1 Shot mark 2 0 (SET) : Conform to the menu setting below. 1 (ALL) : Writes all marks. 2 (OFF) : Writes nothing. 3. REC START MARKER (Valid when the LTC UB-maker is set to SW.) 0 (OFF) : Writes. 1 (ON) : Not write. 4. SHOT MARKER 1 (Valid when the LTC UB-marker is set to SW.) 0 (OFF) : Writes. 1 (ON) : Not write. 5. SHOT MARKER 2 (Valid when the LTC UB-marker is set to SW.) 0 (OFF) : Writes. 1 (ON) : Not write.
DIAG 6-7 VTR MODE SEL-7 	VTR MENU-10 VTR MODE SEL-7 1. VITC UBIT FIX 2. UBIT DATA SHORT	1. VITC UBIT : Sets the data recorded in the user bits of VITC. 0 (FIX) : Fixed data (Conventional-type user bits) 1 (TIME) : Time of internal timer (in real time) 2 (SHOT) : Shot data 2. SHOT DATA : Sets the data length of the VITC shot data. 0 (SHORT) : Record data of date, time, model ID, serial No., cassette No., shot No. 1 (LONG) : Record data of date, time, model ID, serial No., cassette No., shot No., shot ID 1 to 4.

Display panel (Default setting)	**VF screen (Default setting)**	**Description**
DIAG 7 WATCH REVISION 7 XXX	VTR MENU-11 WATCH REVISION 000	Sets the corrected value of an internal timer (the number of frames a day).
DIAG 8 LCD/LAMP CHECK 8	VTR MENU-12 LCD/LAMP CHECK ALL OFF	Display panel check and various indicators check Every pressing of the SHIFT button toggles between all on and all off. (The messages "ALL OFF" and "ALL ON" are alternately displayed on the VF screen.) Refer to section "2-3 Display Panel and Lamp Operation Check" for more details.
DIAG 9 9X XXXX STATE CODE TROUBLE CODE 1. SLACK DATA 1 2. SLACK DATA 2 3. SLACK DATA 3 4. SLACK DATA 4	VTR MENU-13 SERVO MEMORY 1. CAP FREE SP XX 2. PG PHASE-1 XX 3. PG PHASE-2 XX 4. CFGA DUTY XX 5. CFGB DUTY XX 6. EDIT DELAY XX 7. SLACK XXXX XXXX XXXX XXXX SLACK DATA 1 2 3 4	The servo adjustment data and slack information consisting of the last four slack errors, are displayed. Refer to Section "2-4. Displaying the Servo Adjustment Data" for more details. (Servo adjustment data is displayed on the VF screen only.) Refer to Section "2-5. Displaying the Slack Information in the Past" for more details of the slack trouble codes and the slack status codes. (The SLACK DATA 1 is the newest slack information.)

Section 4
Camera System Electrical Alignment
(Only for DVW-790WS/790WSP/709WS/709WSP)

4-1. General Information for Electrical Adjustment

This section describes adjustments that are required when lens is attached or replaced.

4-1-1. Note for Adjustment

Before adjustment, set the main POWER switch to on and the VTR switch to SAVE, then warm up the camcorder for about 10 minutes.
Be sure to turn off the power before extending the plug-in board using the extension board.

Indication at the Top Right on the Viewfinder Screen

In adjustment on the setup menu, bars sometimes appear at the top right on the viewfinder screen. The bars indicate the current setting state and adjustable range for the selected item.

Screen Mode Setting

Sets the screen mode as follows before performing the adjustment of the each page.

1. Setup menu
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE

2. Sets the screen mode as in the each page.

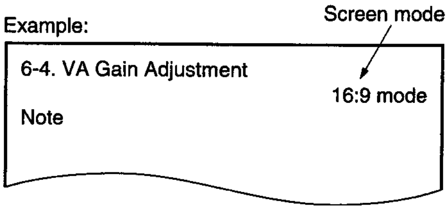
   Note

   Some adjustment steps do not give the description of screen mode. In this case, you can select either 16:9 or 4:3 mode during adjustment.

   Screen mode

4:3	: Perform adjustment after switched to the 4:3 mode.
16:9	: Perform adjustment after switched to the 16:9 mode.
16:9 and 4:3	: Perform adjustment after switched first to the 16:9 mode. Upon completion of adjustment in the 16:9 mode, perform adjustment in the 4:3 mode.

Example:



6-4. VA Gain Adjustment

16:9 mode

Note

4-1-2. Equipment/Fixtures

- Oscilloscope
  Tektronix 2465 or equivalent
- Waveform/Vector monitor
  Tektronix 1780R/1751 or equivalent
- Color Monitor
  Sony BVM-1410/1411P or equivalent
- Black and white monitor

- Pattern box (PTB-500, 90 - 240 Vac)
  J-6029-140-B
- Grayscale chart (4:3)
  Transparent type : J-6026-130-A
  Reflective type : Commercially available on market (Refer to section 4-1-4.)
- Grayscale chart (16:9)
  Transparent type : J-6394-080-A

4-1-3. Initial Setting for Switches

Execute the camera system alignment by entering the engineer mode of the setup menu. When the engineer mode is entered, set switches as follows.
For details on the setup menu, refer to Section 3.

1. Set the POWER switch to off.
2. While holding down the rotary encoder, turn the power ON.

Note

When an item is adjusted in the engineer mode, the value of this item adjusted in the user mode is reset to 0.

Initial Setting

Before performing adjustment, set switches as follows, If the setting of the GAIN switch is changed from the factory set value, reset it to its original value by referring to the operation manual.

Inside panel :

VTR SAVE/STBY switch → STBY
GAIN switch → L (0 dB)
OUTPUT/DCC switch → CAM/OFF
MENU ON/OFF/PAGE switch → OFF
WHITE BAL switch → PRST

Front panel :

SHUTTER switch → OFF
Filter selector → 1B

Lens :

LENS → MANU
IRIS → (CLOSE)

Setup menu :

- E06∗MASTER GAIN
  - LOW → 0 dB
  - MID → 9 dB
  - HIGH → 18 dB
- E12∗FUNCTION 1/2
  - TEST OUT → ENC
  - DETAIL → ON
  - APERTURE → ON
  - SKIN TONE DETAIL → OFF
  - MATRIX → OFF
  - GAMMA → ON
  - BLACK GAMMA → ON
  - TEST SAW → OFF
  - CHROMA → ON
  - CROSS COLOR FLT. → OFF
- E13∗FUNCTION 2/2
  - GENLOCK → ON
  - CAM RET → OFF
  - FILTER INHIBIT → ON
- E21∗LEVEL 4
  - KNEE SATURATION → 0
  - KNEE → ON
  - WHITE CLIP → ON
- E22∗LEVEL 5
  - R-Y → ON
  - B-Y → ON

4-1-4. Maintaining the Grayscale Chart

For the VA gain adjustment, using an 89.9 %-reflective grayscale chart is preferable.
If a reflective chart is not available, use a well-maintained pattern box and a transparent grayscale chart for adjustment.
Before beginning adjustment, set the illumination of the light source (or the luminous intensity on the chart surface) properly proceeding as follows and set the color temperature to 3200 K exactly by adjusting light.

Information on the Reflective Grayscale Chart

Recommended chart

The reflective grayscale chart is commercially available.

Recommended chart: Reflective grayscale chart (with a special case)
MURAKAMI COLOR RESEARCH LABORATORY GS-3 or equivalent

Supplier: MURAKAMI COLOR RESEARCH LABORATORY
Address: 3-11-3, Kachidoki, Chuo-ku, Tokyo, JAPAN
Postcode 104-0054
Phone: 81-3-3532-3011
Fax: 81-3-3532-2056

Handling precautions

- Do not touch the chart's surface.
- Do not subject the surface to dirt, scratches or prolonged exposure to sunlight.
- Protect the chart from excess moisture and harmful gas.
- Avoid resting articles against the case.
- Open the case and dry the chart more an hour for a month in no use long period.

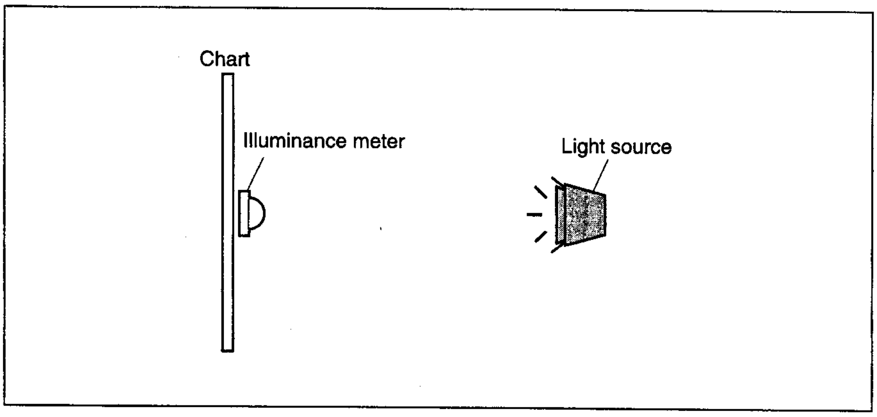
Replacement period when the chart is used as the reference

The reflective grayscale chart should be replaced every two years if it used as the reference. Because the chart deteriorates with time and proper adjustment cannot be achieved.
Replacement period varies according to storage conditions of the chart.

Setting Illumination (when the reflective chart is used)

Equipment: Illuminance meter (Calibrated)

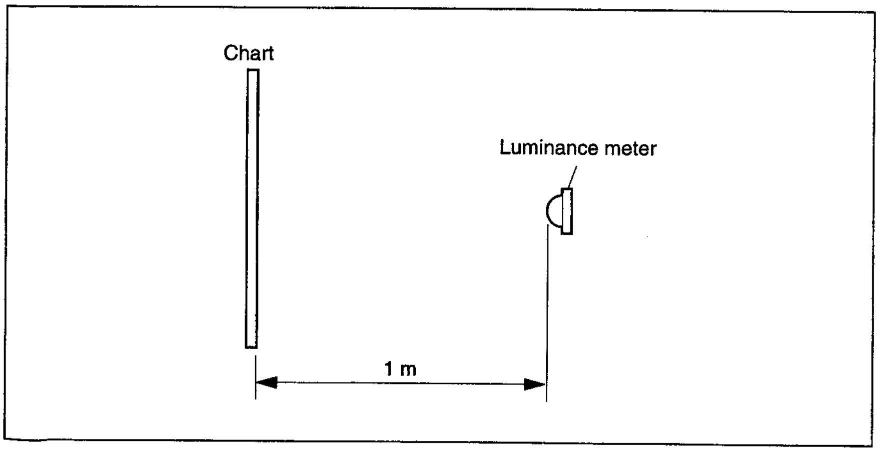
1. Turn on the light source and warm up for about 30 minutes.
2. Place the illuminance meter on the chart surface.
   Adjust the position and angle of the light source so that the whole surface of the chart is evenly 2000 lx.
   Note
   Light the chart from almost the same direction and height as the camera to shoot the chart.



Setting Luminous Intensity (when the transparent chart is used)

Equipment: Luminance meter (Minolta LS-110 or equivalent. Calibrated.)

1. Light the pattern box and warm up for about 30 minutes.
2. Place the pattern box where the chart is not exposed to light, such as a darkroom.
   (Or cover the pattern box with a cover whose inside is painted in black.)
3. Place the luminance meter facing straight to the chart at a distance of 1 m from it.
4. Adjust the luminance control of the pattern box so that the white portion in the center of the chart is 573 ±6 cd/m^2.
   Note
   This corresponds to the luminous intensity on the 89.9 %-reflective chart at 2000 lx.



4-2. ENC Level Adjustment

16:9 and 4:3 modes

Preparation

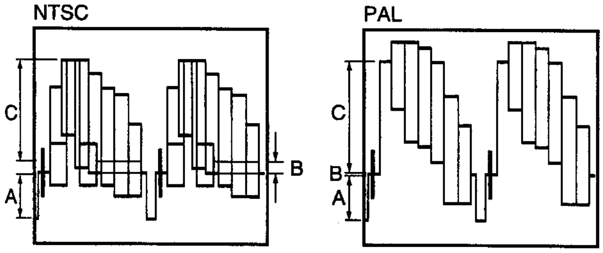
- OUTPUT/DCC switch (inside panel) → BARS
- On the setup menu, set as follows.
  PAGE : E23*LEVEL 6
  ITEM : TEST OUT → ENC

Adjustment Procedure

Equipment : Waveform monitor
Test point : VIDEO OUT connector

1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. On the setup menu, adjust as follows.
   PAGE : E23*LEVEL 6
   ITEM : ENC Y SYNC
   Spec. : A = 40 ±1 IRE (NTSC)
   A = 300 ±7 mV (PAL)



3. On the setup menu, adjust as follows.
   PAGE : E23*LEVEL 6
   ITEM : ENC Y SETUP
   Spec. : B = 7.5 ±0.5 IRE (NTSC)
   B = 0 ±3 mV (PAL)

4. On the setup menu, adjust as follows.
   PAGE : E23*LEVEL 6
   ITEM : ENC Y LEVEL
   Spec. : C = 100 ±2 IRE (NTSC)
   C = 700 ±14 mV (PAL)

5. Select the 4:3 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 4:3

6. On the setup menu, adjust as follows.
   PAGE : E23*LEVEL 6
   ITEM : ENC Y LEVLE (4:3)
   Spec. : C = 100 ±2 IRE (NTSC)
   C = 700 ±14 mV (PAL)

4-3. TEST OUT Level Adjustment

16:9 and 4:3 mode

Preparation

- OUTPUT/DCC switch (inside panel) → BARS
- On the setup menu, set as follows.
  PAGE : E23∗LEVEL 6
  ITEM : TEST OUT → R, G or B

Adjustment Procedure

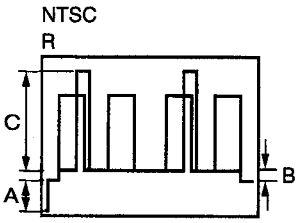
Equipment : Waveform monitor
Test point : TEST OUT connector

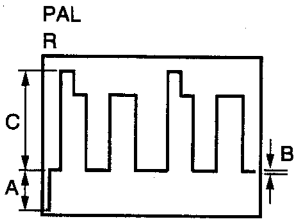
1. Select the 16:9 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB SYNC
   Spec. : A = 40 ±2 IRE (NTSC)
   A = 300 ±14 mV (PAL)

3. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB SETUP
   Spec. : B = 7.5 ±0.5 IRE (NTSC)
   B = 0 ± 3 mV (PAL)

4. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB LEVEL
   Spec. : C = 100 ±2 IRE (NTSC)
   C = 700 ±14 mV (PAL)





5. Select the 4:3 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 4:3

6. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB LEVEL
   Spec. : C = 100 ±2 IRE (NTSC)
   C = 700 ±14 mV (PAL)

Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E23∗LEVEL 6
  ITEM : TEST OUT → ENC

4-4. VA Gain Adjustment

16:9 mode

Note

- Use an 89.9%-reflective chart (Reflection rate: 89.9 %) in this adjustment as possible. (Refer to Section 4-1-4.)
- If a "16:9" chart is not keep on hand, shoot a "4:3" chart so that the chart width is aligned with the underscanned monitor frame.

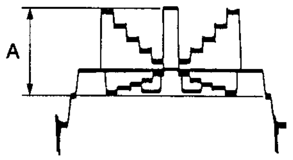
Preparation

- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.
- WHITE BAL switch (inside panel) → PRST
- AUTO W/B BAL switch (front panel) → BLK
  (Perform the automatic black balance adjustment.)
- On the setup menu, set as follows.
  PAGE : E35*PRESET WHT
  ITEM : COLOR TEMP <P> : 3200
  ITEM : R GAIN <P> : 0
  ITEM : B GAIN <P> : 0

Adjustment Procedure

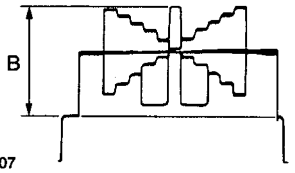
1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. Equipment : Oscilloscope
   Test point : TP1/VA-191
   Setting point : ⊘ Lens IRIS
   Spec. : A = 320 ±8 mV



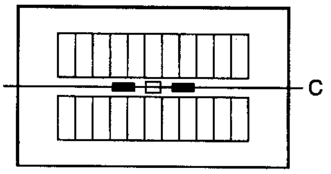
3. On the setup menu, set as follows.
   PAGE : E12*FUNCTION 1/2
   ITEM : TEST OUT → G

4. Equipment : Waveform monitor
   Test point : TEST OUT connector
   Adj. point : ⊘RV201/VA-191 (G GAIN)
   Spec. : B = 100 ±2 IRE (NTSC)
   B = 700 ±10 mV (PAL)



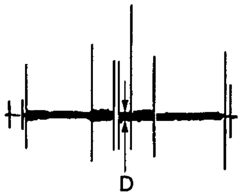
5. On the setup menu, set as follows.
   PAGE : E12*FUNCTION 1/2
   ITEM : TEST OUT → ENC
   ITEM : GAMMA → OFF

6. Select portion C by using the waveform monitor.



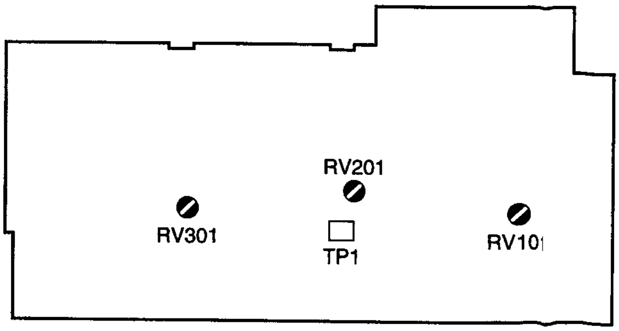
7. Set the waveform monitor to the CHROMA mode.

8. Equipment : Waveform monitor
   Test point : TEST OUT connector
   Adj. point : ⊘RV101/VA-191 (R GAIN)
   ⊘RV301/VA-191 (B GAIN)
   Spec. : Minimize carrier leakage D by using the variable resistors alternately.



Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : GAMMA → ON



VA-191 Board (A side)

4-5. White Shading Adjustment

Note

This adjustment could not be correctly perfomed if the uneven white pattern is used, luminance is not correct, or lens iris and lens zoom are not in good conditions.

16:9 mode

Preparation

- Lens IRIS → AUTO
- Shoot a fully occupied white area of pattern box in the underscanned monitor frame.
- Waveform monitor setting
  LUM mode
  VOLT FULL SCALE range → 0.5

Adjustment Procedure

Equipment	: Waveform monitor
Test point	: TEST OUT connector

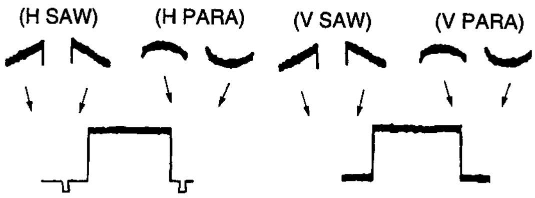
1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. On the setup menu, set as follows.
   PAGE : E30*W-SHADING G
   ITEM : TEST OUT → G

3. Make the waveform flat by setup menu according to the table below.

4. Adjust the shading for R and B channels in the same way.

	TEST OUT	H SAW	V SAW	H PARA	V PARA
G	E30*W-SHADING_G				
	TEST OUT → G	H SAW	V SAW	H PARA	V PARA
R	E31*W-SHADING_R				
	TEST OUT → R	H SAW	V SAW	H PARA	V PARA
B	E32*W-SHADING_B				
	TEST OUT → B	H SAW	V SAW	H PARA	V PARA



5. Select the lens extender and adjust in the same way.

	TEST OUT	H SAW	V SAW	H PARA	V PARA
G	E30*W-SHADING G				
	TEST OUT → G	H SAW (EXT)	V SAW (EXT)	H PARA (EXT)	V PARA (EXT)
R	E31*W-SHADING R				
	TEST OUT → R	H SAW (EXT)	V SAW (EXT)	H PARA (EXT)	V PARA (EXT)
B	E32*W-SHADING B				
	TEST OUT → B	H SAW (EXT)	V SAW (EXT)	H PARA (EXT)	V PARA (EXT)

Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E32*W-SHADING B
  ITEM : TEST OUT → ENC

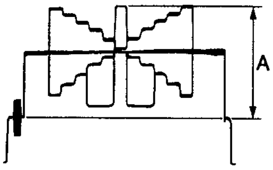
4-6. Gamma Correction Adjustment

16:9 mode

Preparation

- Lens IRIS → MAN
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.

  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ❷ Lens IRIS
  Spec. : A (white level) = 100 ±2 IRE (NTSC)
  A (white level) = 700 ±14 mV (PAL)



- On the setup menu, set as follows.

  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → G

Adjustment Procedure

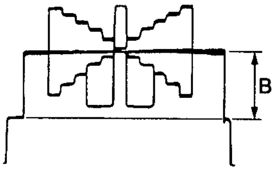
Equipment : Waveform monitor
Test point : TEST OUT connector

1. Select the 16:9 mode.

   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. On the setup menu, adjust as follows.

   PAGE : E21*LEVEL 4
   ITEM : MASTER GAMMA
   Spec. : B = 63 ±2 IRE (NTSC)
   B = 420 ±14 mV (PAL)

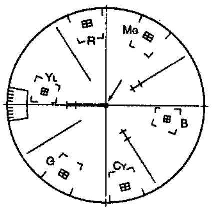


3. On the setup menu, set as follows.

   PAGE : E12*FUNCTON 1/2
   ITEM : TEST OUT → ENC
   ITEM : TEST SAW → ON

4. On the setup menu, adjust as follows.

   PAGE : E25*LEVEL 8
   ITEM : R GAMMA
   Spec. : Position the illuminated spot at the center of the vector monitor.

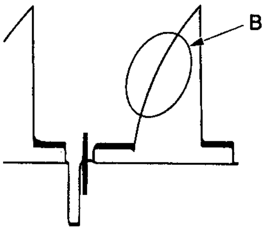


5. On the setup menu, adjust as follows.

   PAGE : E25*LEVEL 8
   ITEM : B GAMMA
   Spec. : Position the illuminated spot at the center of the vector monitor.

6. Repeat steps 4 and 5 several times, position the illuminated spot at the center of the vector monitor.

7. Make sure that the carrier leakage at the portion **B** is not observed.



Setting After Adjustment

- On the setup menu, set as follows.

  PAGE : E12*FUNCTION 1/2
  ITEM : TEST SAW → OFF

4-7. Black Set Adjustment

Preparation

- Lens IRIS → CLOSE
- On the setup menu, set as follows.

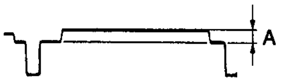
  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → G

Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.

   PAGE : E21*LEVEL 4
   ITEM : MASTER BLACK
   Spec. : A = 10 ±1 IRE (NTSC)
   A = 20 ±7 mV (PAL)



Setting After Adjustment

- On the setup menu, set as follows.

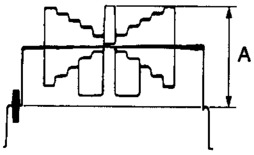
  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → ENC
- AUTO W/B BAL switch (front panel) → BLK
  (Perform the automatic black balance adjustment.)

4-8. Flare Adjustment

16:9 mode

Preparation

- On the setup menu, set as follows.
  PAGE : E24∗LEVEL 7
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ❷ Lens IRIS
  Spec. : Open the lens iris by one step from the reference setting (NTSC : A = 100 ±2 IRE, PAL : A = 700 ±14 mV).



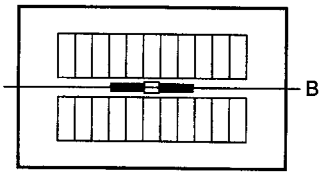
Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

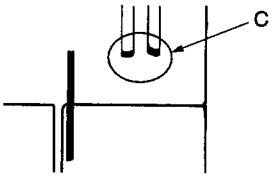
1. Select the 16:9 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. On the setup menu, set as follows.
   PAGE : E24∗LEVEL 7
   ITEM : G FLARE → 0

3. Select portion B by using the waveform monitor.



4. On the setup menu, adjust as follows.
   PAGE : E24∗LEVEL 7
   ITEM : R FLARE
   Spec. : Minimize the carrier leakage at portion C



5. On the setup menu, adjust as follows.
   PAGE : E24∗LEVEL 7
   ITEM : B FLARE
   Spec. : Minimize the carrier leakage at portion C.

6. Repeat steps 4 and 5 several times.

4-9. Manual Knee and White Clip Adjustments

Preparation

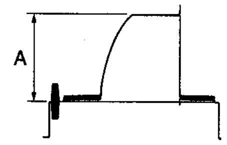
- OUTPUT/DCC switch (inside panel) → CAM/OFF
- WHITE BAL switch (inside panel) → PRST
- GAIN switch (inside panel) → M (9 dB)
- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : TEST SAW → ON
  PAGE : E21∗LEVEL 4
  ITEM : WHITE CLIP → OFF
  ITEM : KNEE → OFF

Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, set as follows.
   PAGE : E21∗LEVEL 4
   ITEM : KNEE SLOPE → −99

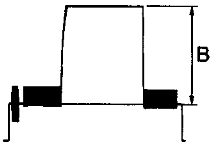
2. On the setup menu, adjust as follows.
   PAGE : E21∗LEVEL 4
   ITEM : KNEE POINT
   Spec. : A = 98 ±2 IRE (NTSC)
   A = 686 ±10 mV (PAL)



3. GAIN switch (inside panel) → H (18 dB)

4. On the setup menu, set as follows.
   PAGE : E21∗LEVEL 4
   ITEM : WHITE CLIP → ON
   ITEM : KNEE SLOPE → 99

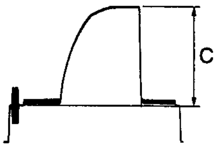
5. On the setup menu, adjust as follows.
   PAGE : E21∗LEVEL 4
   ITEM : WHT CLIP LEVEL
   Spec. : B = 109 ±2 IRE (NTSC)
   B = 763 ±10 mV (PAL)



6. GAIN switch (inside panel) → M (9 dB)

7. On the setup menu, set as follows.
   PAGE : E21∗LEVEL 4
   ITEM : WHITE CLIP → OFF

8. On the setup menu, adjust as follows.
   PAGE : E21∗LEVEL 4
   ITEM : KNEE SLOPE
   Spec. : C = 109 ±2 IRE (NTSC)
   C = 763 ±10 mV (PAL)



Setting After Adjustment

- GAIN switch (inside panel) → L (0 dB)
- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : TEST SAW → OFF
  PAGE : E21∗LEVEL 4
  ITEM : WHITE CLIP → ON

Note

The values used in the above adjustment are for the conditions that the white clip level is set to 109 IRE (763 mV). When the white clip level is set to a value other than 109 IRE (763 mV), use the following table to set the levels of the knee point and knee slope.

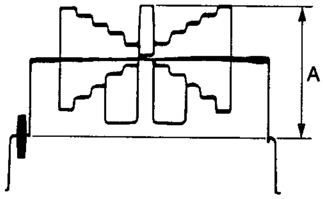
	WHITE CLIP LEVEL (Unit : IRE/mV)			
	109/763	**107/749**	**105/735**	**103/721**
KNEE PONT	98/686	96/686	96/672	96/672
KNEE SLOPE	109/763	107/750	107/750	107/750
WHITE CLIP	109/763	107/750	105/735	103/721

4-10. Crispening Adjustment (16:9)

16:9 mode

Preparation

- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : DETAIL → ON
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

Equipment : Black and white monitor
Test point : TEST OUT connector

1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

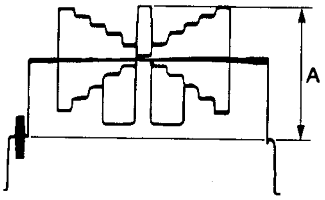
2. On the setup menu, adjust as follows.
   PAGE : E16*LEVEL 1
   ITEM : CRISPENING
   Spec. : Reduce the noise at gray portion to a permissible level.

4-11. Level Dependant Adjustment (16:9)

16:9 mode

Preparation

- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
  PAGE : E16*LEVEL 1
  ITEM : LVL DEPEND → ON
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)

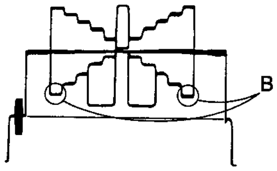


Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9

2. On the setup menu, adjust as follows.
   PAGE : E16*LEVEL 1
   ITEM : L.DEP.LVL
   Spec. : Eliminate the detail signal from portion B.



Note

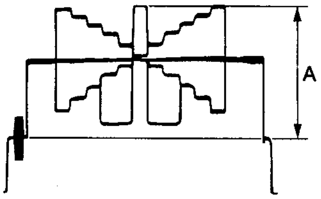
- After this adjustment, be sure to perform Section 4-12 "H/V Ratio Adjustment (16:9)", and Section 4-13 "Detail Level Adjustment (16:9)", in that order.

4-12. H/V Ratio Adjustment (16:9)

16:9 mode

Preparation

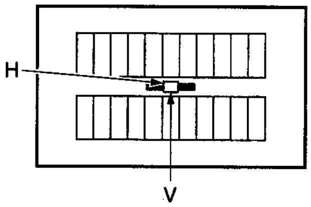
- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

Equipment : Black and white monitor
Test point : TEST OUT connector

1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9
2. On the setup menu, adjust as follows.
   PAGE : E16*LEVEL 1
   ITEM : H/V RATIO
   Spec. : Adjust so that the H and V detail amounts which are added are equivalent.



4-13. Detail Level Adjustment (16:9)

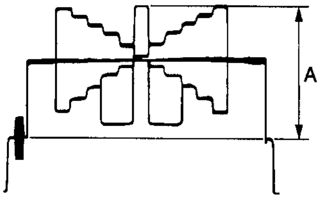
16:9 mode

Note

- Perform this adjustment, if necessary, to suit the customer's preferences.

Preparation

- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
- Shoot a grayscale chart (16:9) in the full underscan's picture frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 80 ±2 IRE (NTSC)
  A = 560 ±14 mV (PAL)



Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

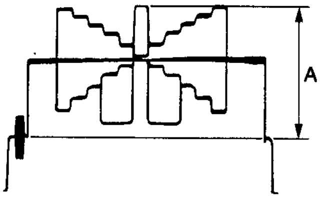
1. Select the 16:9 mode.
   PAGE : E14*WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 16:9
2. On the setup menu, adjust as follows.
   PAGE : E16*LEVEL 1
   ITEM : DETAIL LVL (Factory setting: 0)
   Spec. : Adjust to the detail amount which is added to each step in the grayscale chart for the customer's preferences.

4-14. Crispening Adjustment (4:3)

4:3 mode

Preparation

- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : DETAIL → ON
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (4:3) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

Equipment : Black and white monitor
Test point : TEST OUT connector

1. Select the 4:3 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 4:3

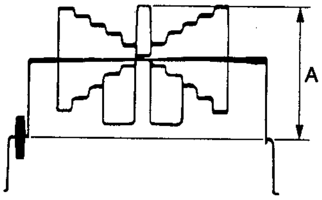
2. On the setup menu, adjust as follows.
   PAGE : E18∗LEVEL 1#4:3
   ITEM : CRISPENING
   Spec. : Reduce the noise at gray portion to a permissible level.

4-15. Level Dependant Adjustment (4:3)

4:3 mode

Preparation

- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
  PAGE : E18∗LEVEL 1#4:3
  ITEM : LVL DEPEND → ON
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (4:3) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)

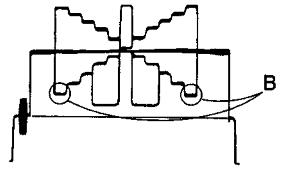


Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. Select the 4:3 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 4:3

2. On the setup menu, adjust as follows.
   PAGE : E18∗LEVEL 1#4:3
   ITEM : LEVEL DEPEND
   Spec. : Eliminate the detail signal from portion B.



Note

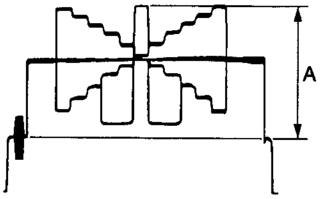
- After this adjustment, be sure to perform Section 4-16 “H/V Ratio Adjustment (4:3)”, and Section 4-17 “Detail Level Adjustment (4:3)”, in that order.

4-16. H/V Ratio Adjustment (4:3)

4:3 mode

Preparation

- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (4:3) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)

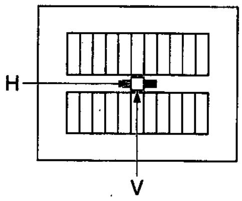


Adjustment Procedure

Equipment : Black and white monitor
Test point : TEST OUT connector

1. Select the 4:3 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 4:3

2. On the setup menu, adjust as follows.
   PAGE : E18∗LEVEL 1#4:3
   ITEM : H/V RATIO
   Spec. : Adjust so that the H and V detail amounts which are added are equivalent.



4-17. Detail Level Adjustment (4:3)

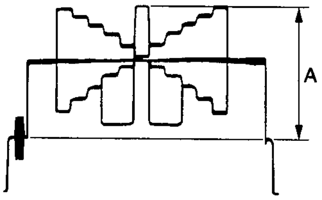
4:3 mode

Note

- Perform this adjustment, if necessary, to suit the customer's preferences.

Preparation

- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
- Shoot a grayscale chart (4:3) in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 80 ±2 IRE (NTSC)
  A = 560 ±14 mV (PAL)



Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. Select the 4:3 mode.
   PAGE : E14∗WIDE SCREEN
   ITEM : 16:9/4:3 MODE → 4:3

2. On the setup menu, adjust as follows.
   PAGE : E18∗LEVEL 1#4:3
   ITEM : DETAIL LVL (Factory setting: 0)
   Spec. : Adjust the detail amount which is added to each step in the grayscale chart for the customer's preferences.

4-18. Skin Tone Adjustment

Note

- Perform this adjustment, if necessary, to suit the customer's preferences.

Preparation

- On the setup menu, set as follows.
  PAGE : E20∗LEVEL 3
  ITEM : SKIN TONE DETAIL → ON
  ITEM : SKIN TONE IND. → ON
- Shoot a person's face.

Adjustment Procedure

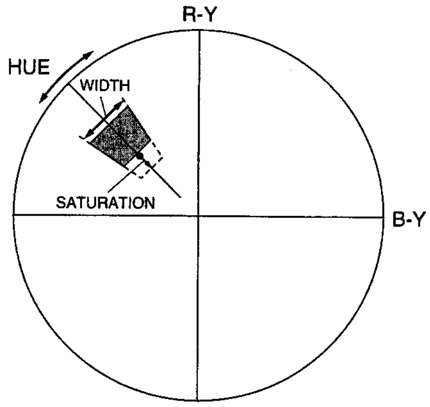
Equipment : Any of color monitor, viewfinder or waveform/vector monitor.
Test point : TEST OUT or VIDEO OUT connector

1. Shoot a person's face in the central of the viewfinder.

2. On the setup menu, set as follows.
   PAGE : E20∗LEVEL 3
   ITEM : SKIN TONE DET. → ?EXEC

3. Push the rotary encoder.
   (The detection area is displayed in a zebra pattern.)

4. Perform the adjustment in this step, if neccessary.
   On the setup menu, adjust as follows.
   PAGE : E20∗LEVEL 2
   ITEM : SATURATION
   (Component in the saturation direction)
   HUE (Hue)
   WIDTH
   (Component in the hue direction)



The skin detail detection area is displayed in a zebra pattern.
Adjust so that zebra pattern displays only proper area.

5. On the setup menu, adjust as follows.
   PAGE : E20∗LEVEL 3
   ITEM : SUPPRESS LEVEL (Factory setting: 0)
   Spec. : Set the level to the desired detail level.

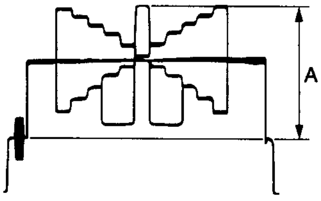
Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E20∗LEVEL 3
  ITEM : SKIN TONE DETAIL → OFF
  ITEM : SKIN TONE IND. → OFF
  ITEM : SKIN TONE DET. → OFF

4-19. Zebra Adjustment

Preparation

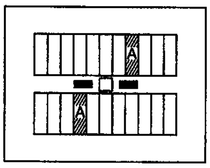
- ZEBRA switch (viewfinder) → ON
- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : TEST OUT → R, G or B
  PAGE : E15*VF SETTING
  ITEM : ZEBRA SELECT → 1
  ITEM : ZEBRA1 APT. LVL → 1%
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘ Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



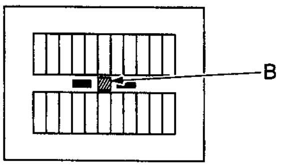
Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E15*VF SETTING
   ITEM : ZEBRA1 DET. LVL
   Spec. : Set the condition that zebra pattern appears at the portions A.



2. On the setup menu, set as follows.
   PAGE : E12*FUNCTION 1/2
   ITEM : TEST SAW → ON
3. On the setup menu, adjust as follows.
   PAGE : E15*VF SETTING
   ITEM : ZEBRA1 APT (Factory setting: 10%)
   Spec. : Adjust for the desired width of detection.
4. On the setup menu, set as follows.
   PAGE : E12*FUNCTION 1/2
   ITEM : TEST SAW → OFF
5. On the setup menu, set as follows.
   PAGE : E15*VF SETTING
   ITEM : ZEBRA SELECT → 2
6. On the setup menu, adjust as follows.
   PAGE : E15*VF SETTING
   ITEM : ZEBRA2 DET. LVL
   Spec. : Set the condition that zebra pattern appears at the portion B.



Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E15*VF SETTING
  ITEM : ZEBRA SELECT → 1
  PAGE : E12*FUNCTION 1/2
  ITEM : TEST OUT → ENC

4-20. Automatic Iris Adjustment

16:9 mode

Preparation

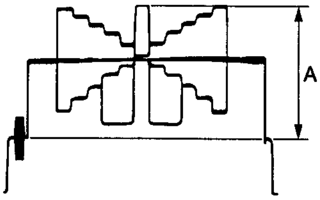
- On the setup menu, set as follows.
  PAGE : E24∗LEVEL 7
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart (16:9) in the full underscanned monitor frame.
- Lens IRIS → AUTO

Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E29∗LEVEL 12
   ITEM : IRIS MODE
   Spec. : Set depending on the application. (Automatic iris operation mode setting can be done from the average level to peak-to-peak level of the video signal.)
   IRIS MODE = MIN → peak-to-peak level
   IRIS MODE = MAX → average level

2. On the setup menu, adjust as follows.
   PAGE : E29∗LEVEL 12
   ITEM : IRIS SET
   Spec. : A = 100 ±2 IRE (NTSC)
   A = 700 ±14 mV (PAL)



3. On the setup menu, set as follows.
   PAGE : E29∗LEVEL 12
   ITEM : IRIS WEIGHT → 0 (MIN)

4. Shoot an area where the auto iris is not wanted to work in the white window chart.

5. On the setup menu, adjust as follows.
   PAGE : E29∗LEVEL 12
   ITEM : IRIS WEIGHT
   Spec. : Increment the IRIS WEIGHT value until the lens iris is open.

6. On the setup menu, adjust as follows.
   PAGE : E29∗LEVEL 12
   ITEM : IRIS SPEED (Factory setting: 2)
   Spec. : Adjust for the desired operation speed of auto iris.

7. On the setup menu, set as follows.
   PAGE : E29∗LEVEL 12
   ITEM : CLIP HIGH LIGHT → ON or OFF
   Spec. : Set the AUTO iris level to the customer's specifications.

Section 5
Camera System Electrical Alignment
(Only for DVW-707/707P)

5-1. General Information for Electrical Adjustment

This section describes adjustments that are required when lens is attached or replaced.

5-1-1. Note for Adjustment

Before adjustment, set the main POWER switch to on and the VTR switch to SAVE, then warm up the camera for about 10 minutes.
Be sure to turn off the power before extending the plug-in board using the extension board.

Indication at the Top Right on the Viewfinder Screen

In adjustment on the setup menu, bars sometimes appear at the top right on the viewfinder screen. The bars indicate the current setting state and adjustable range for the selected item.

5-1-2. Equipment/Fixtures

- Oscilloscope
  Tektronix 2465 or equivalent
- Waveform/Vector monitor
  Tektronix 1780R/1751 or equivalent
- Color Monitor
  Sony BVM-1410/1411P or equivalent
- Black and white monitor

- Pattern box (PTB-500, 90 - 240 Vac)
  J-6029-140-B
- Grayscale chart (4:3)
  Transparent type : J-6026-130-A
  Reflective type : Commercially available on market (Refer to section 5-1-4.)

5-1-3. Initial Setting for Switches

Execute the camera system alignment by entering the engineer mode in the setup menu. When the engineer mode is entered, set switches as follows.
For details on the setup menu, refer to Section 3.

1. Set the POWER switch to off.
2. While holding down the rotary encoder, turn the power ON.

Note

When an item is adjusted in the engineer mode, the value of this item adjusted in the user mode is reset to 0.

Initial Setting

Before performing adjustment, set switches as follows, If the setting of the GAIN switch is changed from the factory set value, reset it to its original value by referring to the operation manual.

Inside panel :
VTR SAVE/STBY switch → STBY
GAIN switch → L (0 dB)
OUTPUT/DCC switch → CAM/OFF
MENU ON/OFF/PAGE switch → OFF
WHITE BAL switch → PRST

Front panel :
SHUTTER switch → OFF
Filter selector → 1

Lens :
LENS → MANU
IRIS → C (CLOSE)

Setup menu :
- E06*MASTER GAIN
  LOW → 0 dB
  MID → 9 dB
  HIGH → 18 dB
- E12*FUNCTION 1/2
  TEST OUT → ENC
  DETAIL → ON
  APERTURE → ON
  SKIN TONE DETAIL → OFF
  MATRIX → OFF
  GAMMA → ON
  BLACK GAMMA → ON
  TEST SAW → OFF
  CHROMA → ON
  CROSS COLOR FLT. → OFF
- E13*FUNCTION 2/2
  GENLOCK → ON
  CAM RET → OFF
  FILTER INHIBIT → ON
- E21*LEVEL 4
  KNEE SATURATION → 0
  KNEE → ON
  WHITE CLIP → ON
- E22*LEVEL 5
  R-Y → ON
  B-Y → ON

5-1-4. Maintaining the Grayscale Chart

For the VA gain adjustment, using an 89.9 %-reflective grayscale chart is preferable.
If a reflective chart is not available, use a well-maintained pattern box and a transparent grayscale chart for adjustment.
Before beginning adjustment, set the illumination of the light source (or the luminous intensity on the chart surface) properly proceeding as follows and set the color temperature to 3200 K exactly by adjusting light.

Information on the Reflective Grayscale Chart

Recommended chart

The reflective grayscale chart is commercially available.

Recommended chart: Reflective grayscale chart (with a special case)
MURAKAMI COLOR RESEARCH LABORATORY GS-3 or equivalent

Supplier: MURAKAMI COLOR RESEARCH LABORATORY
Address: 3-11-3, Kachidoki, Chuo-ku, Tokyo, JAPAN
Postcode 104-0054
Phone: 81-3-3532-3011
Fax: 81-3-3532-2056

Handling precautions

- Do not touch the chart's surface.
- Do not subject the surface to dirt, scratches or prolonged exposure to sunlight.
- Protect the chart from excess moisture and harmful gas.
- Avoid resting articles against the case.
- Open the case and dry the chart more an hour for a month in no use long period.

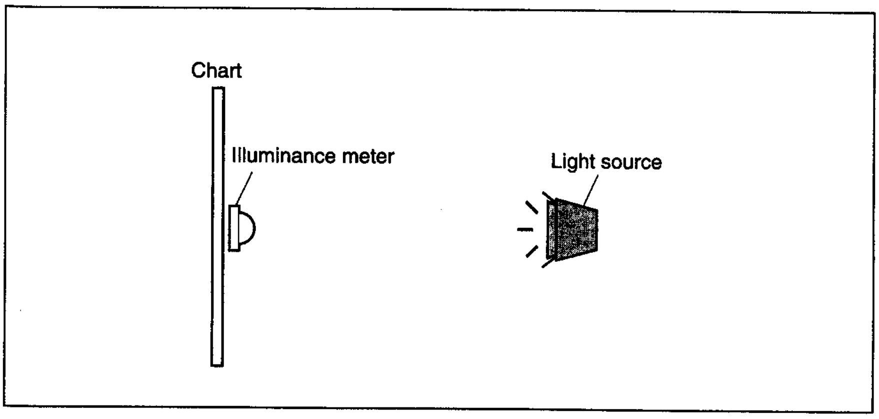
Replacement period when the chart is used as the reference

The reflective grayscale chart should be replaced every two years if it used as the reference. Because the chart deteriorates with time and proper adjustment cannot be achieved.
Replacement period varies according to storage conditions of the chart.

Setting Illumination (when the reflective chart is used)

Equipment: Illuminance meter (Calibrated)

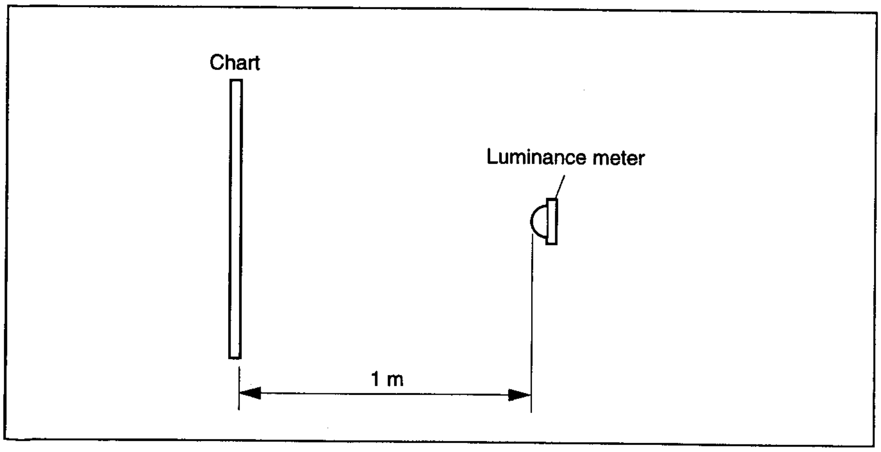
1. Turn on the light source and warm up for about 30 minutes.
2. Place the illuminance meter on the chart surface.
   Adjust the position and angle of the light source so that the whole surface of the chart is evenly 2000 lx.
   Note
   Light the chart from almost the same direction and height as the camera to shoot the chart.



Setting Luminous Intensity (when the transparent chart is used)

Equipment: Luminance meter (Minolta LS-110 or equivalent. Calibrated.)

1. Light the pattern box and warm up for about 30 minutes.
2. Place the pattern box where the chart is not exposed to light, such as a darkroom.
   (Or cover the pattern box with a cover whose inside is painted in black.)
3. Place the luminance meter facing straight to the chart at a distance of 1 m from it.
4. Adjust the luminance control of the pattern box so that the white portion in the center of the chart is 573 ±6 cd/m^2.
   Note
   This corresponds to the luminous intensity on the 89.9 %-reflective chart at 2000 lx.



5-2. ENC Level Adjustment

Preparation

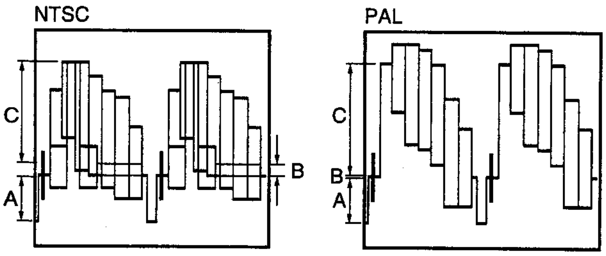
- OUTPUT/DCC switch (inside panel) → BARS
- On the setup menu, set as follows.
  PAGE : E23∗LEVEL 6
  ITEM : TEST OUT → ENC

Adjustment Procedure

Equipment : Waveform monitor
Test point : VIDEO OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : ENC Y SYNC
   Spec. : A = 40 ±1 IRE (NTSC)
   A = 300 ±7 mV (PAL)

2. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : ENC Y SETUP
   Spec. : B = 7.5 ±0.5 IRE (NTSC)
   B = 0 ±3 mV (PAL)



3. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : ENC Y LEVEL
   Spec. : C = 100 ±2 IRE (NTSC)
   C = 700 ±14 mV (PAL)

5-3. TEST OUT Adjustment

Preparation

- OUTPUT/DCC switch (inside panel) → BARS
- On the setup menu, set as follows.
  PAGE : E23∗LEVEL 6
  ITEM : TEST OUT → R, G or B

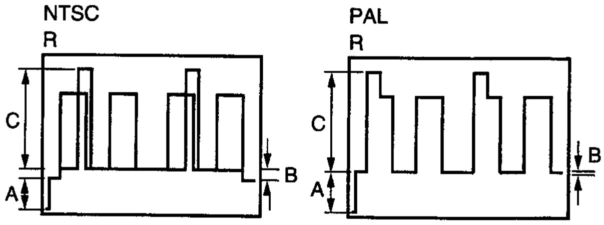
Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB SYNC
   Spec. : A = 40 ±2 IRE (NTSC)
   A = 300 ±14 mV (PAL)

2. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB SETUP
   Spec. : B = 7.5 ±0.5 IRE (NTSC)
   B = 0 ±3 mV (PAL)

3. On the setup menu, adjust as follows.
   PAGE : E23∗LEVEL 6
   ITEM : RGB LEVEL
   Spec. : C = 100 ±2 IRE (NTSC)
   C = 700 ±14 mV (PAL)



Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E23∗LEVEL 6
  ITEM : TEST OUT → ENC

5-4. VA Gain Adjustment

Note

- Use an 89.9%-reflective chart in this adjustment as possible. (Refer to Section 5-1-4.)

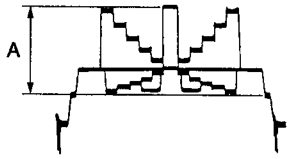
Preparation

- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
- WHITE BAL switch (inside panel) → PRST
- AUTO W/B BAL switch (front panel) → BLK (Perform the automatic black balance adjustment.)
- On the setup menu, set as follows.

PAGE	: E35*PRESET WHT	
ITEM	: COLOR TEMP <P>	: 3200
ITEM	: R GAIN <P>	: 0
ITEM	: B GAIN <P>	: 0

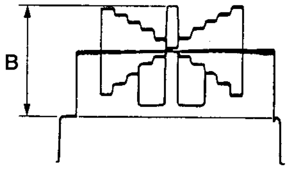
Adjustment Procedure

1. Equipment : Oscilloscope
   Test point : TP1/VA-191
   Setting point : ⊘Lens IRIS
   Spec. : A = 320 ± 8 mV



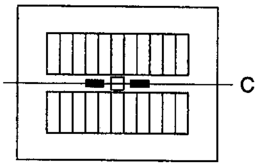
2. On the setup menu, set as follows.
   PAGE : E12*FUNCTION 1/2
   ITEM : TEST OUT → G

3. Equipment : Waveform monitor
   Test point : TEST OUT connector
   Adj. point : ⊘RV201/VA-191 (G GAIN)
   Spec. : B = 100 ± 2 IRE (NTSC)
   B = 700 ± 10 mV (PAL)



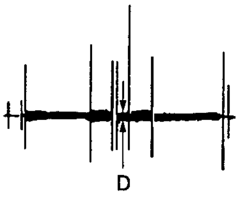
4. On the setup menu, set as follows.
   PAGE : E12*FUNCTION 1/2
   ITEM : TEST OUT → ENC
   ITEM : GAMMA → OFF

5. Select portion C by using the waveform monitor.



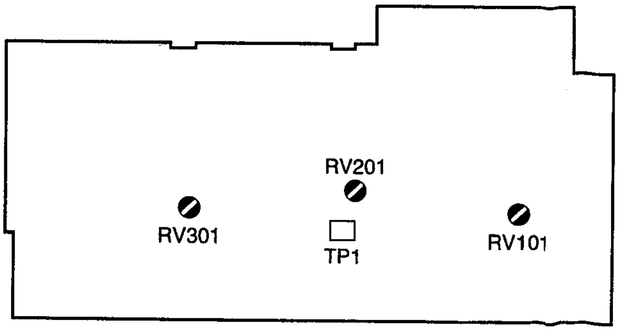
6. Set the waveform monitor to the CHROMA mode.

7. Equipment : Waveform monitor
   Test point : TEST OUT connector
   Adj. point : ⊘RV101/VA-191 (R GIAN)
   ⊘RV301/VA-191 (B GAIN)
   Spec. : Minimize carrier leakage D by using the variable resistors alternately.



Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : GAMMA → ON



VA-191 Board (A side)

5-5. White Shading Adjustment

Note

- This adjustment could not be correctly performed if the uneven white patten is used, luminance is not correct, or lens iris and lena zoom are not in good conditions.

Preparation

- Lens IRIS → AUTO
- Shoot a fully occupied white area of pattern box in the underscanned monitor frame.
- Waveform monitor setting
  LUM mode
  VOLT FULL SCALE range → 0.5

Adjustment Procedure

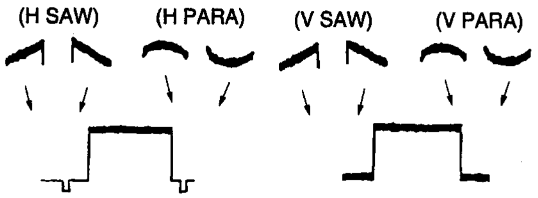
Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, set as follows.
   PAGE : E30*W-SHADING G
   ITEM : TEST OUT → G

2. Make the waveform flat by setup menu according to the table below.

3. Adjust the shading for R and B channels in the same way.

	TEST OUT	H SAW	V SAW	H PARA	V PARA
G	E30*W-SHADING_G				
	TEST OUT → G	H SAW	V SAW	H PARA	V PARA
R	E31*W-SHADING_R				
	TEST OUT → R	H SAW	V SAW	H PARA	V PARA
B	E32*W-SHADING_B				
	TEST OUT → B	H SAW	V SAW	H PARA	V PARA



4. Select the lens extender and adjust in the same way.

	TEST OUT	H SAW	V SAW	H PARA	V PARA
G	E30*W-SHADING G				
	TEST OUT → G	H SAW (EXT)	V SAW (EXT)	H PARA (EXT)	V PARA (EXT)
R	E31*W-SHADING R				
	TEST OUT → R	H SAW (EXT)	V SAW (EXT)	H PARA (EXT)	V PARA (EXT)
B	E32*W-SHADING B				
	TEST OUT → B	H SAW (EXT)	V SAW (EXT)	H PARA (EXT)	V PARA (EXT)

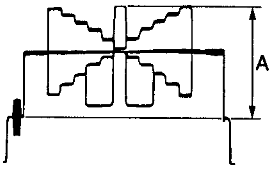
Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E32*W-SHADING B
  ITEM : TEST OUT → ENC

5-6. Gamma Correction Adjustment

Preparation

- Lens IRIS →MAN
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
- Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘Lens IRIS
  Spec. : A (white level) = 100 ±2 IRE (NTSC)
  A (white level) = 700 ±14 mV (PAL)

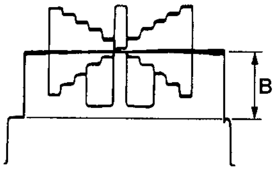


- On the setup menu, set as follows.
  PAGE : E24∗LEVEL 7
  ITEM : TEST OUT → G

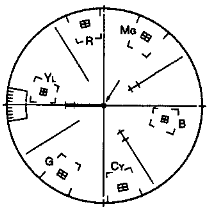
Adjustment Procedure

Equipment : Waveform monitor
Test point : VIDEO OUT connector

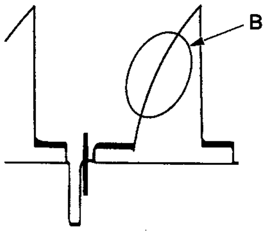
1. On the setup menu, adjust as follows.
   PAGE : E21∗LEVEL 4
   ITEM : MASTER GAMMA
   Spec. : B = 63 ±2 IRE (NTSC)
   B = 420 ±14 mV (PAL)



2. On the setup menu, set as follows.
   PAGE : E12∗FUNCTION 1/2
   ITEM : TEST OUT → ENC
   ITEM : TEST SAW → ON
3. On the setup menu, adjust as follows.
   PAGE : E25∗LEVEL 8
   ITEM : R GAMMA
   Spec. : Position the illuminated spot at the center of the vector monitor.



4. On the setup menu, adjust as follows.
   PAGE : E25∗LEVEL 8
   ITEM : B GAMMA
   Spec. : Position the illuminated spot at the center of the vector monitor.
5. Repeat steps 3 and 4 several times, position the illuminated spot at the center of the vector monitor.
6. Make sure that the carrier leakage at the portion **B** is not observed.



Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : TEST SAW → OFF

5-7. Black Set Adjustment

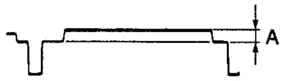
Preparation

- Lens IRIS → CLOSE
- On the setup menu, set as follows.
  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → G

Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E21*LEVEL 4
   ITEM : MASTER BLACK
   Spec. : A = 10 ±1 IRE (NTSC)
   A = 20 ±7 mV (PAL)



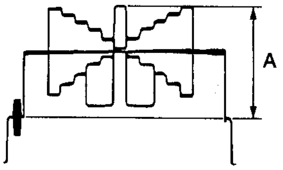
Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → ENC
- AUTO W/B BAL switch (front panel) → BLK
  (Perform the automatic black balance adjustment.)

5-8. Flare Adjustment

Preparation

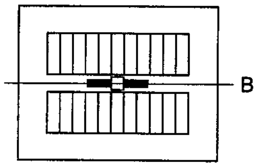
- On the setup menu, set as follows.
  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ❷Lens IRIS
  Spec. : Open the iens iris by one step from the reference setting (NTSC : A = 100 ±2 IRE, PAL : A = 700 ±14 mV).



Adjustment Procedure

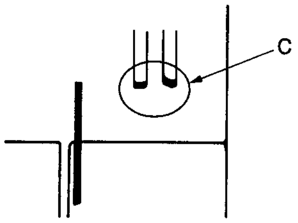
Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, set as follows.
   PAGE : E24*LEVEL 7
   ITEM : G FLARE → 0



2. Select portion B by using the waveform monitor.

3. On the setup menu, adjust as follows.
   PAGE : E24*LEVEL 7
   ITEM : R FLARE
   Spec. : Minimize the carrier leakage at portion C



4. On the setup menu, adjust as follows.
   PAGE : E24*LEVEL 7
   ITEM : B FLARE
   Spec. : Minimize the carrier leakage at portion C.

5. Repeat steps 3 and 4 several times.

5-9. Manual Knee and White Clip Adjustments

Preparation

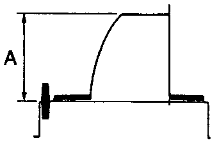
- OUTPUT/DCC switch (inside panel) → CAM/OFF
- WHITE BAL switch (inside panel) → PRST
- GAIN switch (inside panel) → M (9 dB)
- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : TEST SAW → ON
  PAGE : E21*LEVEL 4
  ITEM : WHITE CLIP → OFF
  ITEM : KNEE → OFF

Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, set as follows.
   PAGE : E21*LEVEL 4
   ITEM : KNEE SLOPE → −99

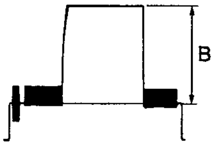
2. On the setup menu, adjust as follows.
   PAGE : E21*LEVEL 4
   ITEM : KNEE POINT
   Spec. : A = 98 ±2 IRE (NTSC)
   A = 595 ±14 mV (PAL)



3. GAIN switch (inside panel) → H (18 dB)

4. On the setup menu, set as follows.
   PAGE : E21*LEVEL 4
   ITEM : WHITE CLIP → ON
   ITEM : KNEE SLOPE → 99

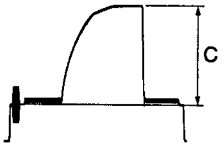
5. On the setup menu, adjust as follows.
   PAGE : E21*LEVEL 4
   ITEM : WHT CLIP LEVEL
   Spec. : B = 107 ±2 IRE (NTSC)
   B = 735 ±10 mV (PAL)



6. GAIN switch (inside panel) → M (9 dB)

7. On the setup menu, set as follows.
   PAGE : E21*LEVEL 4
   ITEM : WHITE CLIP → OFF

8. On the setup menu, adjust as follows.
   PAGE : E21*LEVEL 4
   ITEM : KNEE SLOPE
   Spec. : C = 109 ±2 IRE (NTSC)
   C = 763 ±14 mV (PAL)



Setting After Adjustment

- GAIN switch (inside panel) → L (0 dB)
- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : TEST SAW → OFF
  PAGE : E21*LEVEL 4
  ITEM : WHITE CLIP → ON

Note

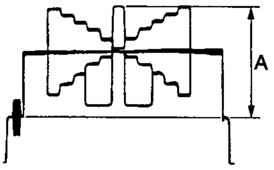
The values used in the above adjustment are for the conditions that the white clip level is set to 109 IRE (763 mV). When the white clip level is set to a value other than 109 IRE (763 mV), use the following table to set the levels of the knee point and knee slope.

	WHITE CLIP LEVEL (Unit : IRE/mV)			
	109/763	**107/749**	**105/735**	**103/721**
KNEE PONT	98/686	96/686	96/672	96/672
KNEE SLOPE	109/763	107/750	107/750	107/750
WHITE CLIP	109/763	107/750	105/735	103/721

5-10. Crispening Adjustment

Preparation

- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : DETAIL → ON
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

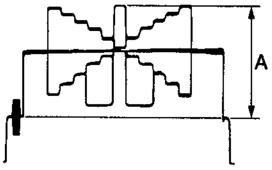
Equipment : Black and white monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E16∗LEVEL 1
   ITEM : CRISPENING
   Spec. : Reduce the noise at gray portion to a permissible level.

5-11. Level Dependant Adjustment

Preparation

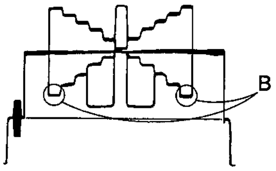
- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
  PAGE : E16∗LEVEL 1
  ITEM : LVL DEPEND → ON
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E16∗LEVEL 1
   ITEM : L.DEP.LVL
   Spec. : Eliminate the detail signal from portion B.



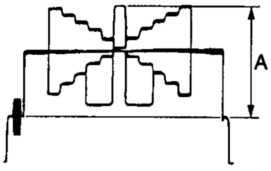
Note

- After this adjustment, be sure to perform Section 5-12 "H/V Ratio Adjustment", and Section 5-13 "Detail Level Adjustment", in that order.

5-12. H/V Ratio Adjustment

Preparation

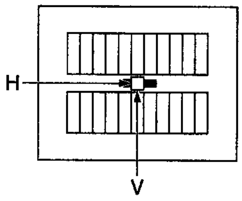
- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

Equipment : Black and white monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E16*LEVEL 1
   ITEM : H/V RATIO
   Spec. : Adjust so that the H and V detail amounts which are added are equivalent.



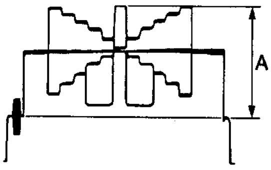
5-13. Detail Level Adjustment

Note

- Perform this adjustment, if necessary, to suit the customer's preferences.

Preparation

- On the setup menu, set as follows.
  PAGE : E12*FUNCTION 1/2
  ITEM : DETAIL → ON
  ITEM : TEST OUT → ENC
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘Lens IRIS
  Spec. : A = 80 ±2 IRE (NTSC)
  A = 560 ±14 mV (PAL)



Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E16*LEVEL 1
   ITEM : DETAIL LVL (Factory setting : 0)
   Spec. : Adjust to the detail amount which is added to each step in the grayscale chart for the customer's preferences.

5-14. Skin Tone Adjustment

Note

- Perform this adjustment, if necessary, to suit the customer's preferences.

Preparation

- On the setup menu, set as follows.
  PAGE : E20*LEVEL 3
  ITEM : SKIN TONE DETAIL → ON
  ITEM : SKIN TONE IND. → ON
- Shoot a person's face.

Adjustment Procedure

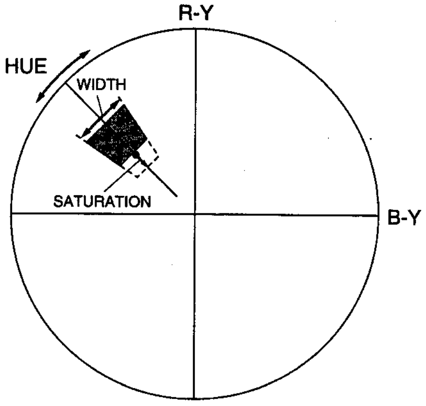
Equipment : Any of color monitor, viewfinder or waveform/vector monitor.
Test point : TEST OUT or VIDEO OUT connector

1. Shoot a person's face in the central of the viewfinder.

2. On the setup menu, set as follows.
   PAGE : E20*LEVEL 3
   ITEM : SKIN TONE DET. → ?EXEC

3. Push the rotary encoder.
   (The detection area is displayed in a zebra pattern.)

4. Perform the adjustment in this step, if neccessary.
   On the setup menu, adjust as follows.
   PAGE : E20*LEVEL 3
   ITEM : SATURATION
   (Component in the saturation detection)
   HUE (Hue)
   WIDTH
   (Component in the hue direction)



The skin detail detection area is displayed in a zebra pattern. Adjust so that zebra pattern displays only proper area.

5. On the setup menu, adjust as follows.
   PAGE : E20*LEVEL 3
   ITEM : SUPPRESS LEVEL (Factory setting : 0)
   Spec. : Set the level to the desired detail level.

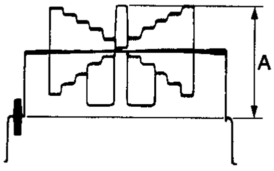
Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E20*LEVEL 3
  ITEM : SKIN TONE DETAIL → OFF
  ITEM : SKIN TONE IND. → OFF
  ITEM : SKIN TONE DET. → OFF

5-15. Zebra Adjustment

Preparation

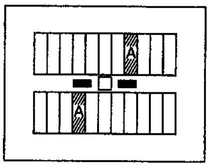
- ZEBRA switch (viewfinder) → ON
- On the setup menu, set as follows.
  PAGE : E12∗FUNCTION 1/2
  ITEM : TEST OUT → R, G or B
  PAGE : E15∗VF SETTING
  ITEM : ZEBRA SELECT → 1
  ITEM : ZEBRA1 APT. LVL → 1 %
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
  Equipment : Waveform monitor
  Test point : TEST OUT connector
  Setting point : ⊘Lens IRIS
  Spec. : A = 100 ±2 IRE (NTSC)
  A = 700 ±14 mV (PAL)



Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E15∗VF SETTING
   ITEM : ZEBRA1 DET. LVL
   Spec. : Set the condition that zebra pattern appears at the portions A.



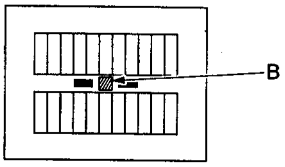
2. On the setup menu, set as follows.
   PAGE : E12∗FUNCTION 1/2
   ITEM : TEST SAW → ON

3. On the setup menu, adjust as follows.
   PAGE : E15∗VF SETTING
   ITEM : ZEBRA1 APT (Factory setting : 10 %)
   Spec. : Adjust for the desired width of detection.

4. On the setup menu, set as follows.
   PAGE : E12∗FUNCTION 1/2
   ITEM : TEST SAW → OFF

5. On the setup menu, set as follows.
   PAGE : E15∗VF SETTING
   ITEM : ZEBRA SELECT → 2

6. On the setup menu, adjust as follows.
   PAGE : E15∗VF SETTING
   ITEM : ZEBRA2 DET. LVL
   Spec. : Set the condition that zebra pattern appears at the portion B.



Setting After Adjustment

- On the setup menu, set as follows.
  PAGE : E15∗VF SETTING
  ITEM : ZEBRA SELECT → 1
  PAGE : E12∗FUNCTION 1/2
  ITEM : TEST OUT → ENC

5-16. Automatic Iris Adjustment

Preparation

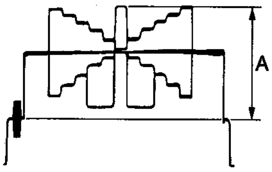
- On the setup menu, set as follows.
  PAGE : E24*LEVEL 7
  ITEM : TEST OUT → ENC
- OUTPUT/DCC switch (inside panel) → CAM/ON
- Shoot a grayscale chart in the full underscanned monitor frame.
- Lens IRIS → AUTO

Adjustment Procedure

Equipment : Waveform monitor
Test point : TEST OUT connector

1. On the setup menu, adjust as follows.
   PAGE : E29*LEVEL 12
   ITEM : IRIS MODE
   Spec. : Set depending on the application.
   (Automatic iris operation mode setting can be done from the average level to peak-to-peak level of the video signal.)
   IRIS MODE = MIN → peak-to-peak level
   IRIS MODE = MAX → average level

2. On the setup menu, adjust as follows.
   PAGE : E29*LEVEL 12
   ITEM : IRIS SET
   Spec. : A = 100 ±2 IRE (NTSC)
   A = 700 ±14 mV (PAL)



3. On the setup menu, set as follows.
   PAGE : E29*LEVEL 12
   ITEM : IRIS WEIGHT → 0 (MIN)

4. Shoot an area where the auto iris is not wanted to work in the white window chart.

5. On the setup menu, adjust as follows.
   PAGE : E29*LEVEL 12
   ITEM : IRIS WEIGHT
   Spec. : Increment the IRIS WEIGHT value until the lens iris is open.

6. On the setup menu, adjust as follows.
   PAGE : E29*LEVEL 12
   ITEM : IRIS SPEED (Factory setting : 2)
   Spec. : Adjust for the desired operation speed of auto iris.

7. On the setup menu, set as follows.
   PAGE : E29*LEVEL 12
   ITEM : CLIP HIGH LIGHT → ON or OFF
   Spec. : Set to the desired position.

Section 6
Block Diagrams and Circuit Description

6-1. Circuit Description

(1) Camera Processing Block (AD-155 board, DCP-17 board, ES-23 board)

AD-155 board

The AD-155 board consists of the A/D converter circuit that converts the RGB analog signals supplied from the CCD block to digital signal.
The analog RGB signals that are input from the CCD block, pass through the respective pre-filters in accordance with the WIDE and NORMAL sampling frequencies. Outputs of the pre-filters are converted to the 12-bit digital RGB signals of either 14 MHz (NORMAL) or 18 MHz (WIDE) by the A/D converters. The digital RGB signals are sent to the DCP-17 board.

DCP-17 board

The DCP-17 board consists of the following four blocks.

- The circuit block where the digital RGB signals that are supplied from the AD-155 board, receive digital signal processing, are converted to digital component signals and are then converted to analog component signals to be sent to the ES-23 board.
- The circuit block where the digital RGB signals that are supplied from the AD-155 board, receive digital signal processing, are converted to digital component signals to be sent to the VTR block in the form of digital signals.
- The driver block that adds characters to the analog composite signal supplied from the ES-23 board, and outputs the analog composite signals with characters.
- The signal processing block that converts the analog composite signals supplied from the ES-23 board to the analog VF signals, and then outputs the analog VF signals to viewfinder.

The digital RGB signal that are input from the AD-155 board, are sent to the shading correction IC where white shading detection, error detection/correction and feedback clamp detection processing are implemented.
At the same time, the white shading correction signals (R WSH, G WSH, B WSH) and the feedback clamp control signals (R FB, G FB, B FB) are sent to the CCD block.
Simultaneously, the black shading correction signals (R BSH, G BSH, B BSH) are sent from the back shading correction signal generator circuit to the CCD block, and the test SAW signal is sent from the test SAW signal generator circuit to the CCD block.

The digital RGB signals that are output from the shading correction IC, are buffered by the BF-74 board then sent to the image enhancer IC where the digital RGB signals receive the 1H delay-line processing that generates the various detail signals which are sent to the process IC and other circuit via other signal path than that of the main line RGB signals.
This block contains the sync generator circuit that generates various sync signals.

The digital RGB signals that are output from the image enhancer IC, are sent to the process IC where the digital RGB signals take the following signal paths:

① Up-converted to either 28 MHz (NORMAL) or 36 MHz (WIDE)
② Matrix signal, aperture signal and detail signal are added.
③ Receive pedestal control, knee correction, gamma correction and white/black clip processing
④ Converted to the digital component signals (Y, R-Y, B-Y)

This block contains the built-in color-bar signal generator circuit and switching circuit between color-bar signal and main line signal, and the output circuit of the Y, R, G and B video signals for VF circuit where the video signal for VF circuit is D/A-converted and is sent to the viewfinder or the TEST OUT connector. The VF output circuit has the function that allows the monitor selection IC to switch video signals so that the video signal that is connected to the GENLOCK IN connector can be monitored or the RET video signal can be monitored on VF when CCU is connected.

The digital component signals that are output from the process IC, takes the two signal paths after passing through the RC-69 and RC-75 boards*1. One signal path is connected to the rate converter IC where the digital component signals are converted of the rate to 27 MHz and are sent to the DVP-17 board and the CI-21 board. The other signal path is connected to the D/A converter where the digital component signals are D/A converted and are sent to the ES-23 board as the analog component signals (Y, R-Y, B-Y).

---

*1 : As for the DVW-707/707P, the CN-1573 board is used.

Average value and peak value of the video signal that are detected by the process IC, are sent to the camera CPU through data bus.
The detected data is processed by the camera CPU and sent to the process IC and to the VA-191 board together with the SDA (CCD signal) or through data bus.

The control CPU implements various controls over the camera block in accordance with the instructions that are memorized in ROM. The control CPU interprets the function switch instructions, analog data etc., and outputs the various control signals. It also writes the status information and self-diagnostics information into the character generator, and outputs them as the character data. The control CPU allows the RM-P9 (optional) and the VA-DN1 (optional) to be connected through external equipment RM-B150 (optional) or the conversion cable (optional).

ES-23 board

The ES-23 board consists of the following circuits.

- The circuit that encodes that composite signal from the analog component signals which are supplied by the D/A converter in the DCP-17 board.
- PLL circuit for subcarrier clock signal

Most adjustment controls are replaced by electronic controls that allow most of adjustments to be executed using the setup menu.
The ES-23 board contains the sync separator IC and others that synchronizes the entire system with the external input video signal which is input at the GENLOCK IN connector.

RC-69 board, RC-75 board (For DVW-790WS/790WSP/709WS/709WSP only)

The RC-69 board and RC-75 board consist of the circuit that converts signal rate of the digital component signals from the DCP-17 board, that of the VF video signal and that of the detail signal for VF video from the 18 MHz to the 13.5 MHz. The RC-69 board and RC-75 board has the built-in FIFO IC.

(2) RF Processing Block (DVP-17 board (1/3) and Drum assembly)

The Digital Betacam Camcorder records video and audio signals on the tape using the Digital Betacam format.
In a Digital Betacam studio VTR, one pair of heads with an azimuth angle in the opposite direction to each other record two tracks at a time by turns with another one pair of heads on the opposite side of the rotary drum every time the drum rotates by a half turn, and record one-field data every time the drum rotates by 1.5 turns (i.e., on six helical tracks).
As compared with that, to reduce an acoustic noise, the Digital Betacam Camcorder makes the drum rotation 1/2 time as small as the studio VTR and makes the number of heads two times (eight heads) as large. In other words, four-in-a-pair heads record data simultaneously on four tracks by the hour two times as long as usually.
The tape recorded in such a way can be directly played back by the studio VTR. To play back the tape by this VTR, however, eight PB heads are required. This system requires the time-base conversion (rate conversion) for REC/PB data. The RF Processing Block executes the time-base conversion.

In the REC mode, this block converts the two-channel parallel REC data sent from the Digital Processing Block (DVP-14 board) in rate into 1/2 and distributes it to four-channel serial REC data. In the PB mode, this block multiplexes four-channel serial PB data and converts it into the two-channel parallel PB data (CONF DATA) of the normal rate.
The RF processing block also encodes the control data sent from Control Blocks to an MPX signal, sends it to the Drum assembly to control REC/PB amplifiers.

(3) Digital Processing Block
(DVP-14 board and DVP-17 board (2/3))

The data processing on the following four digital processor is performed under communication with the System Control CPU (DVP-17 board).

Digital Encoder Block (DVP-14 board)

This block adds VITC data to the parallel video data sent from the Camera Block, then compresses the obtained data into a data rate of approximately 1/2 by a bit rate reduction encoder. The compressed video data is sent to an ECC encoder where it is added to outer ECC data and is track-interleaved.

The serial audio data (ENCODE 1/2 and 3/4) from the DVP-17 board are also sent to the ECC encoder, where it is added to outer ECC data and is field-shuffled.

Then, the video data and audio data are multiplexed, inner ECC-encoded, and are sent to the rate converter IC on the DVP-17 board as two-channel parallel REC DATA.

Digital Decoder Block (DVP-14 board)

First, an inner ECC decoder inner-corrects the two-channel parallel PB data (CONF DATA) sent from the DVP-17 board after rate conversion, de-interleaves and multiplexes the two-channel data, then divides the multiplexed data into V DATA and V/A DATA and sends them to an outer ECC decoder.

In the outer ECC decoder, video data is outer-corrected, then sent to the video decoder block. Audio data is outer-corrected, then error-concealed, transfered the clock rate via FIFO memory, and sent to the audio data processor on the DVP-17 board in the form of serial audio data (CONF AU 1/2 and 3/4) two by two channels.

As for an NTSC system, this block controls the five-field sequence of audio PB data.

Video Decoder Block (DVP-14 board)

This block processes the outer-corrected video data by a bit rate reduction decoder so as to return it to the parallel video data based on the former data rate. Then, if the data contains an error that cannot be corrected by the ECC decoder, it is error-concealed via FIFO memory, and sent to the Camera Block.

Clock Generator Block (DVP-14 board)

The audio clock generator generates various timing signals that are phase-adjusted based on the clock pulse and color frame pulse from the Camera Block, and sends them to the Audio Processing Block, the Servo Control Block, and the Camera Adaptor as well as each board of the Digital Processing Block so as to control the timing of data processing.

Audio Processor Block (DVP-17 board)

The audio data processor takes in the data from the Camera Adaptor or the Audio Processing Block as REC audio data, processes the data as required, and sends it to the DVP-14 board. The audio data processor also processes the PB audio data from the DVP-14 board as required and sends it to the Camera Adaptor and Audio Processing Block. These data items are serial audio data two by two channels, respectively.

(4) Audio Processing Block (AXM-21 board (1/2), CNB-11 board (1/2), TC-101 board (1/2), MA-94 board and IF-716 board)

The audio processing block has the configuration of the input channels front/rear CH-1 and CH-2.
The unit has the AUDIO IN switches which select their input signals from either the LINE/MIC input signals (rear input) coming from the AUDIO IN CH-1/CH-2 connectors on the rear panel, or the camera MIC input signal (front MIC input) coming from the MIC IN connector on the front of the unit, to be recorded on tape.
The CH-3 and CH-4 input signals are menu-selectable from the followings:

- Records the same signals as CH-1 and CH-2 input.
- Forced-records the opposite of the CH-1 and CH-2 input signals. (i.e.; If the CH-1 and CH-2 record the FRONT MIC input signals, the rear input signals are automatically recorded to the CH-3 and CH-4.)
- Forced-records the front MIC input signal.
- Records nothing.

The selected input signal is A/D converted and sent to the audio data processor as the AU A/D data (1/2 and 3/4).
The output signal from the audio data processor is D/A converted. The AUDIO OUT connector on the rear panel outputs each of the CH-1 and CH-2 signals or CH-3 and CH-4 signals (according to the setting of setup menu).
The earphones and internal speakers have the MONITOR switch which selects from CH-1, MIX, or CH-2 signal to be output the earphones and internal speakers.

(5) System Control Block (DVP-17 board (3/3), HN-260 board (1/2) and TC-101 board (2/2))

The system Control Block performs the control for the peripheral boards and the overall system, and the control for its own system including the time code, display, key panel, and the like. Mainly, the DVP-17 board controls the former, and the TC-101 board (2/2) controls the latter.

DVP-17 board

The DVP-17 board mounts the System Control CPU that functions as a leading part in the System Control Block.
The System Control CPU treats large volumes of data (e.g., communication with digital processors). Therefore, this CPU uses a 16-bit high-performance CPU with an operating clock of 14 MHz.
For the communication with digital processor ICs, the parallel bus is shifted in level (5 V/3 V) so as to establish the interface because the parallel interface ICs operate with 3 V.
The serial interface ICs directly interface with the SIO of the CPU. However, the CPU must serial-communicate moreover with SERVO MPU and TC MPU. Therefore, this CPU uses the same SIO in common and selects SCI (DPR), SCI (SV), or SCI (TC) using the SCI SELECTOR so as to communicate with them.
The System Control CPU also serial-communicates with the Camera CPU. However, the CPU interfaces using another SIO because it differs from the VTR Block in a synchronous method.
An I/O EXPANDER covers up an insufficient I/O port.

TC-101 board (2/2)

The TC MPU on the TC-101 board (2/2) controls TC IC (LTC reader and generator) while communicating with the system control CPU in serial communication.
The TC MPU also controls the LCD module, key matrix, and character generator via the I/O expander.
A backup power supply using a lithium battery is provided to back up the generators and real-time data.

(6) Servo Control Block (SV-210 board, SE-210 board, CTL-10 board, and HN-260 board (2/2))

SV-210 board

The SV-210 board mounts two MPUs. MPU1 controls the mode control and capstan servo control while serial-communicating with the System Control CPU. MPU2 controls the drum servo control while interfacing with MPU1. A drum motor and capstan motor are controlled by the PWM switching drive based on the feedback servo of the FG/PG pulses and the FG/CTL pulses, respectively. A threading motor is controlled by a bi-directional motor driver.

(7) Power Supply Block (CNB-11 board (2/2), RE-160 board and RE-161 board)

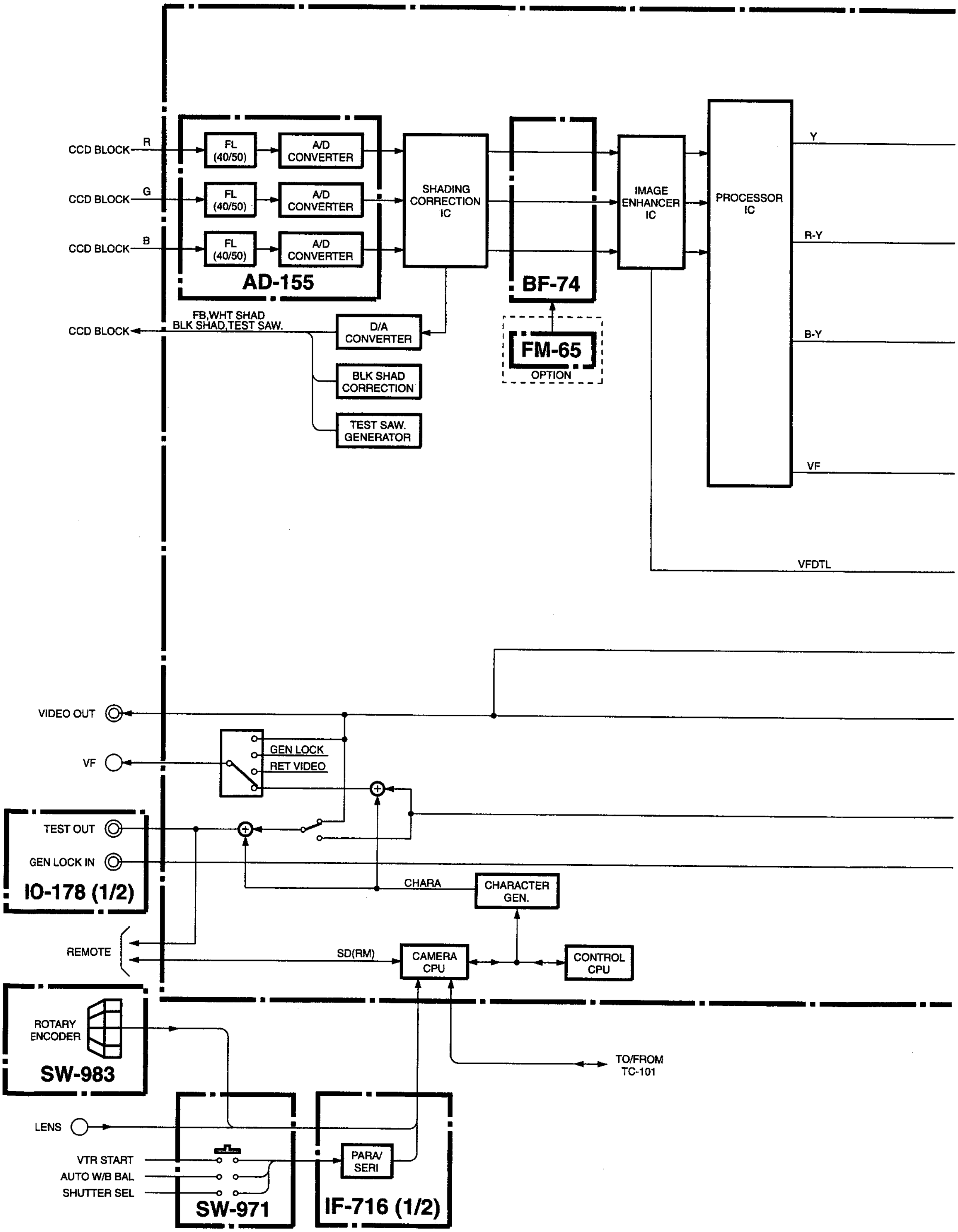
CNB-11 board (2/2)

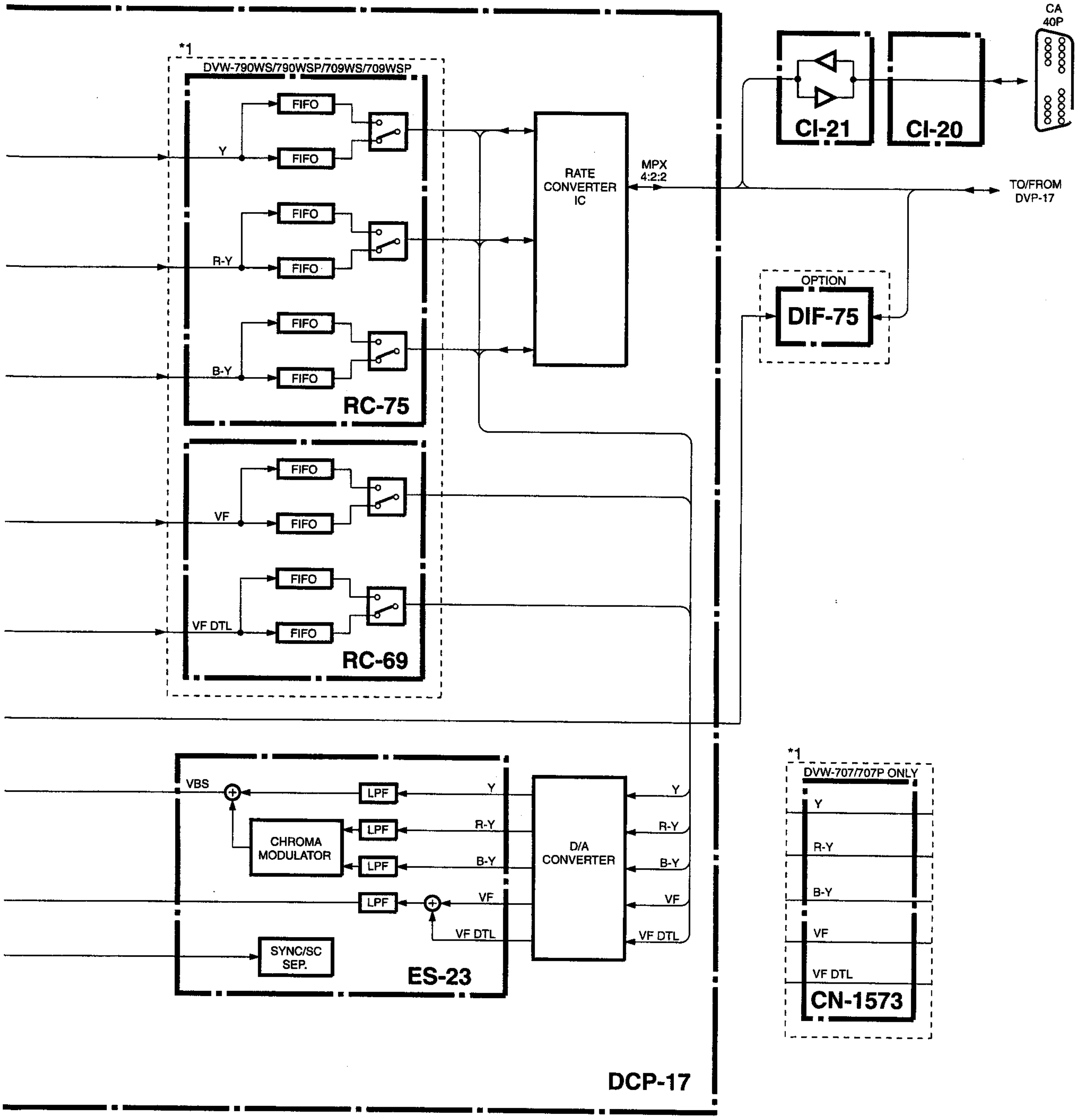
The input DC 12 V from the battery pack or DC IN connector is input to the CNB-11 board (2/2) where the input 12 V passes through a breaker and the POWER switch, then it is output as an UNREG +12 V.
This output voltage is sent not only to the camera and VTR blocks but also to the RE-160 board.

RE-160 and RE-161 boards

The RE-160 and RE-161 boards make up a DC-DC converter.
The UNREG +12 V supplied from the CNB-11 board (2/2) is converted to the various output DC voltages which are sent to the camera and VTR.
The converter system uses an highly efficient synchronous type PWM switching regulator system.
The PWM switching regulator is equipped with a short-circuit protection circuit which turns off all outputs when any of the output power is shorted to GND. The PWM switching regulator is also equipped with the cut-off circuit which shuts down the output power when the input voltage is decreased below the guaranteed operating voltage.

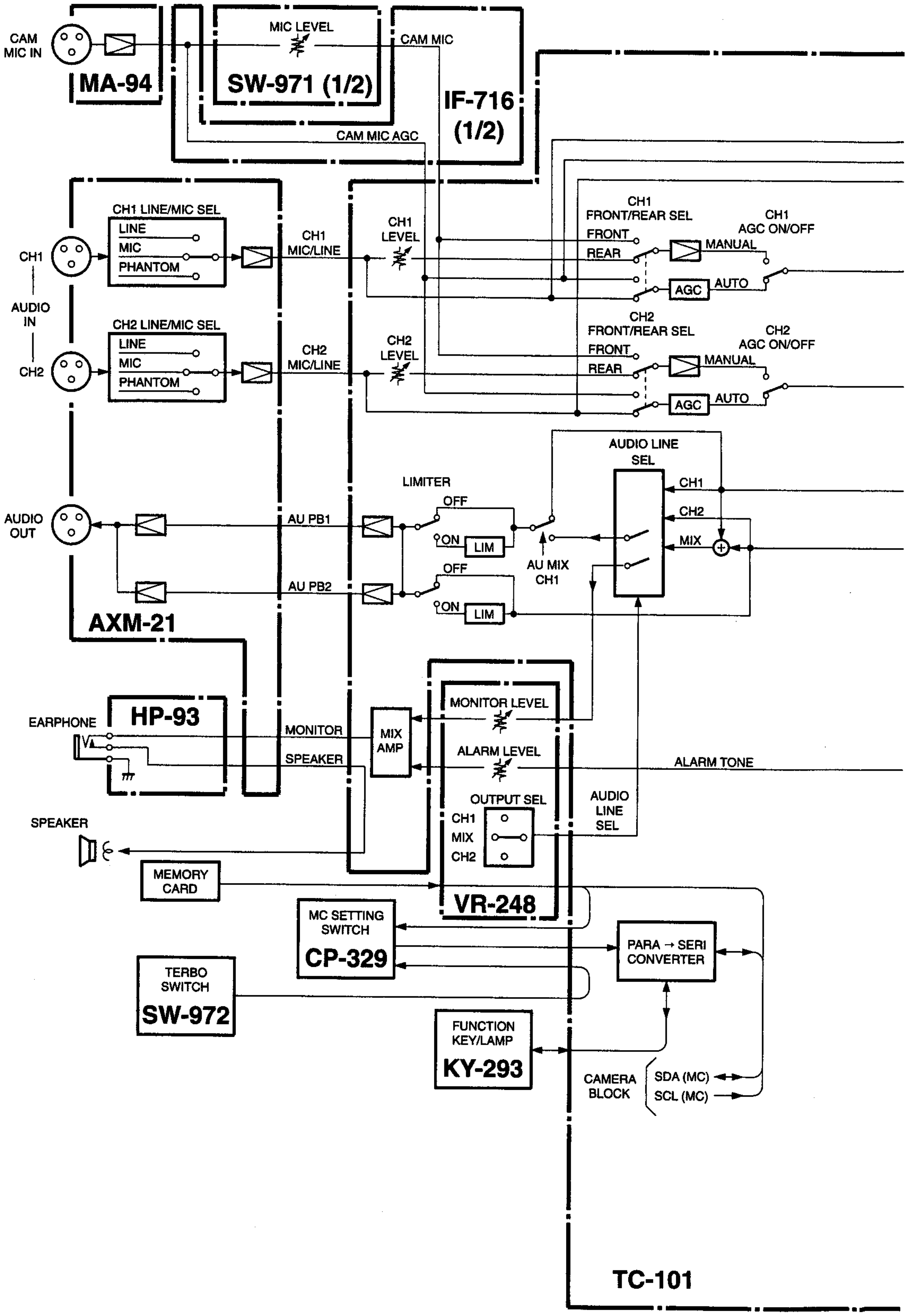
6-2. Camera Overall Block Diagram

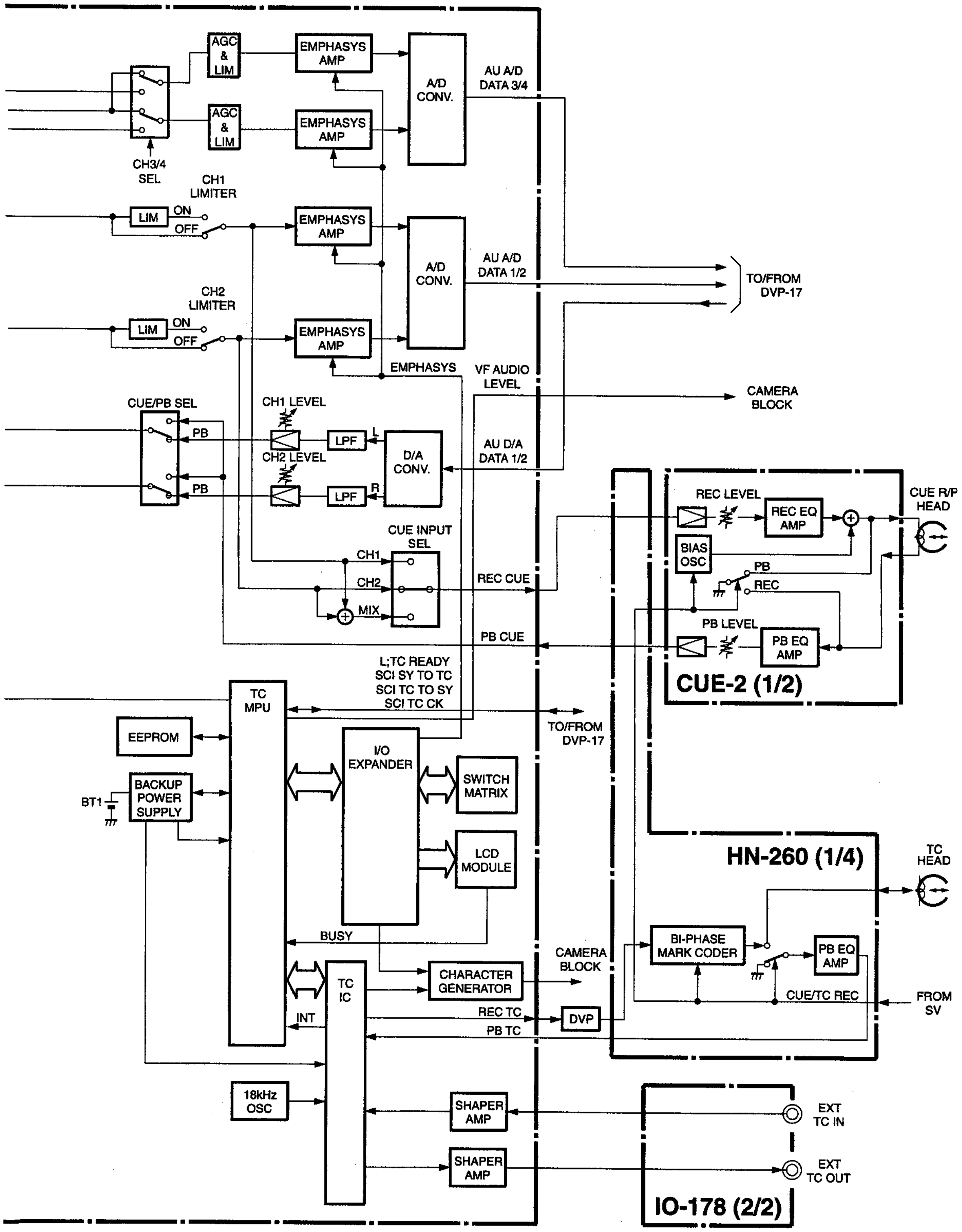

CCD BLOCK
R
G
B
FL (40/50)
A/D CONVERTER
AD-155
SHADING CORRECTION IC
BF-74
FM-65
OPTION
IMAGE ENHANCER IC
PROCESSOR IC
Y
R-Y
B-Y
VF
VFDTL
FB,WHT SHAD
BLK SHAD,TEST SAW.
D/A CONVERTER
BLK SHAD CORRECTION
TEST SAW. GENERATOR
VIDEO OUT
VF
GEN LOCK
RET VIDEO
TEST OUT
GEN LOCK IN
IO-178 (1/2)
CHARA
CHARACTER GEN.
REMOTE
SD(RM)
CAMERA CPU
CONTROL CPU
ROTARY ENCODER
SW-983
TO/FROM TC-101
LENS
VTR START
AUTO W/B BAL
SHUTTER SEL
SW-971
PARA/ SERI
IF-716 (1/2)


*1
DVW-790WS/790WSP/709WS/709WSP
Y
FIFO
FIFO
R-Y
FIFO
FIFO
B-Y
FIFO
FIFO
RC-75
VF
FIFO
FIFO
VF DTL
FIFO
FIFO
RC-69
RATE CONVERTER IC
MPX 4:2:2
CI-21
CI-20
CA 40P
TO/FROM DVP-17
OPTION
DIF-75
VBS
LPF
LPF
LPF
LPF
CHROMA MODULATOR
SYNC/SC SEP.
Y
R-Y
B-Y
VF
VF DTL
ES-23
D/A CONVERTER
Y
R-Y
B-Y
VF
VF DTL
DCP-17
*1
DVW-707/707P ONLY
Y
R-Y
B-Y
VF
VF DTL
CN-1573

Camera Overall Block

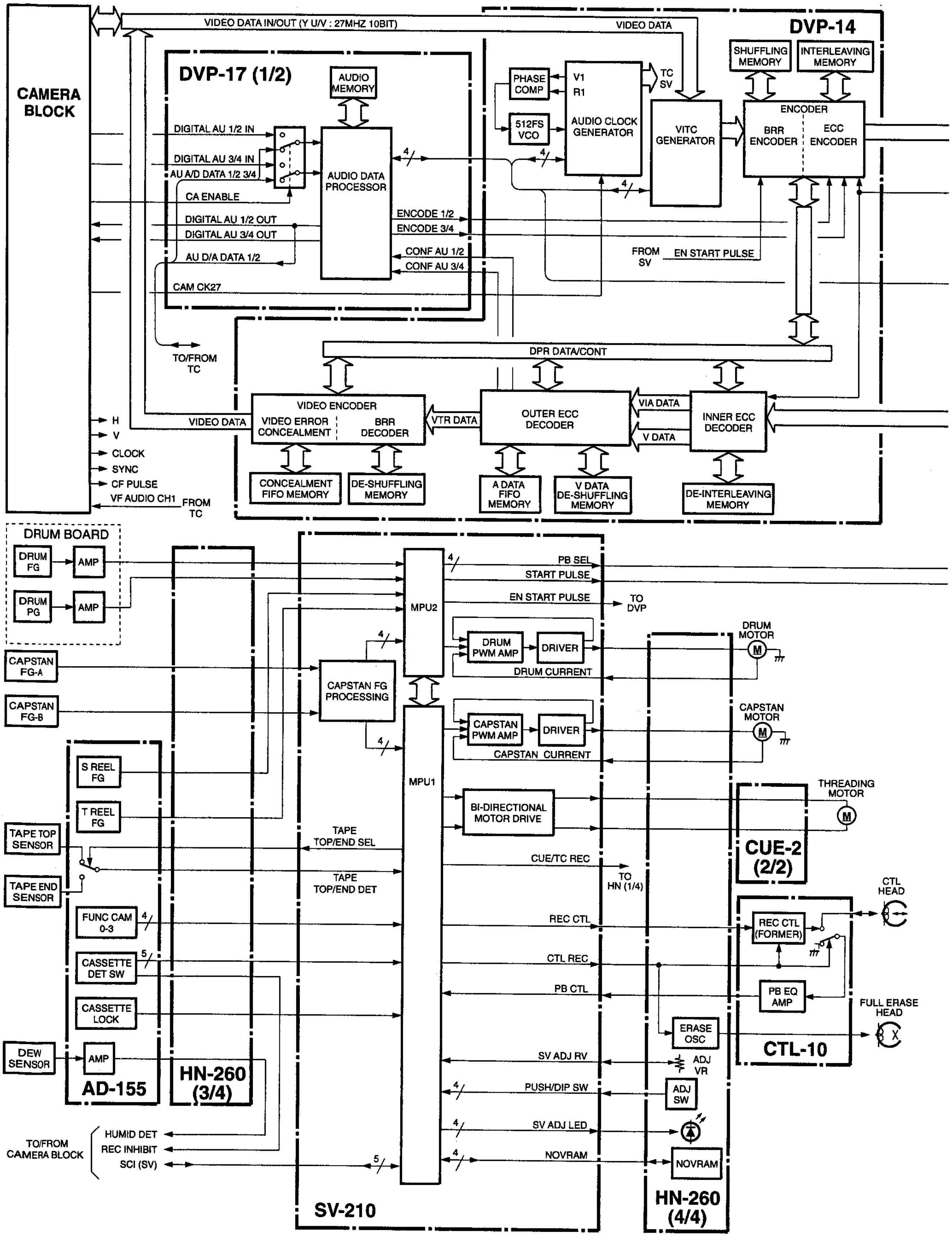
6-3. VTR Overall Block Diagrams

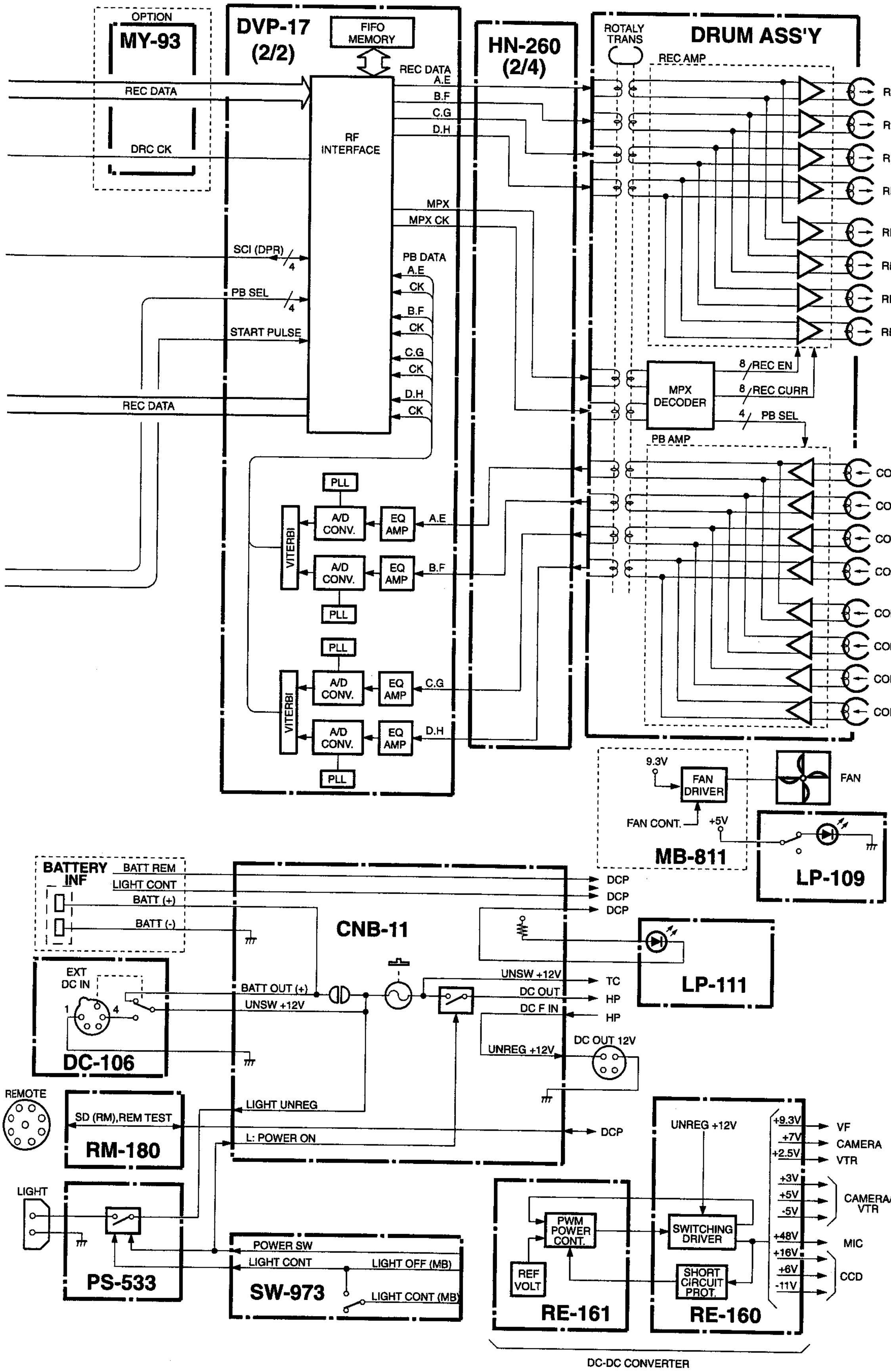

CAM MIC IN
MA-94
MIC LEVEL
SW-971 (1/2)
CAM MIC
IF-716 (1/2)
CAM MIC AGC
CH1 LINE/MIC SEL
LINE
MIC
PHANTOM
CH1
AUDIO IN
CH2
CH2 LINE/MIC SEL
CH1 MIC/LINE
CH2 MIC/LINE
CH1 LEVEL
CH2 LEVEL
CH1 FRONT/REAR SEL
FRONT
REAR
CH1 AGC ON/OFF
MANUAL
AUTO
AGC
CH2 FRONT/REAR SEL
CH2 AGC ON/OFF
AUDIO LINE SEL
CH1
CH2
MIX
LIMITER
OFF
ON
LIM
AU MIX CH1
AUDIO OUT
AU PB1
AU PB2
AXM-21
EARPHONE
HP-93
MONITOR
SPEAKER
MIX AMP
MONITOR LEVEL
ALARM LEVEL
ALARM TONE
OUTPUT SEL
AUDIO LINE SEL
VR-248
MEMORY CARD
MC SETTING SWITCH
CP-329
PARA → SERI CONVERTER
TERBO SWITCH
SW-972
FUNCTION KEY/LAMP
KY-293
CAMERA BLOCK
SDA (MC)
SCL (MC)
TC-101


AGC
&
LIM
EMPHASYS AMP
A/D CONV.
AU A/D DATA 3/4
CH3/4 SEL
CH1 LIMITER
LIM
ON
OFF
AU A/D DATA 1/2
TO/FROM DVP-17
CH2 LIMITER
EMPHASYS
VF AUDIO LEVEL
CAMERA BLOCK
CUE/PB SEL
CH1 LEVEL
PB
LPF
L
R
D/A CONV.
AU D/A DATA 1/2
CH2 LEVEL
CUE INPUT SEL
CH1
CH2
MIX
REC CUE
PB CUE
REC LEVEL
REC EQ AMP
CUE R/P HEAD
BIAS OSC
REC
PB LEVEL
PB EQ AMP
CUE-2 (1/2)
L;TC READY
SCI SY TO TC
SCI TC TO SY
SCI TC CK
TC MPU
EEPROM
BT1
BACKUP POWER SUPPLY
I/O EXPANDER
SWITCH MATRIX
LCD MODULE
HN-260 (1/4)
TC HEAD
BUSY
CAMERA BLOCK
BI-PHASE MARK CODER
CHARACTER GENERATOR
TC IC
INT
REC TC
PB TC
DVP
CUE/TC REC
FROM SV
18kHz OSC
SHAPER AMP
EXT TC IN
EXT TC OUT
IO-178 (2/2)

VTR Overall Block (1/2)

Block Diagram **VTR Overall (2/2)**


CAMERA BLOCK
VIDEO DATA IN/OUT (Y U/V : 27MHZ 10BIT)
VIDEO DATA
DVP-14
SHUFFLING MEMORY
INTERLEAVING MEMORY
DVP-17 (1/2)
AUDIO MEMORY
PHASE COMP
512FS VCO
V1
R1
AUDIO CLOCK GENERATOR
TC SV
VITC GENERATOR
ENCODER
BRR ENCODER
ECC ENCODER
DIGITAL AU 1/2 IN
DIGITAL AU 3/4 IN
AU A/D DATA 1/2 3/4
CA ENABLE
AUDIO DATA PROCESSOR
4
DIGITAL AU 1/2 OUT
DIGITAL AU 3/4 OUT
AU D/A DATA 1/2
ENCODE 1/2
ENCODE 3/4
CONF AU 1/2
CONF AU 3/4
CAM CK27
FROM SV
EN START PULSE
TO/FROM TC
DPR DATA/CONT
VIDEO ENCODER
VIDEO ERROR CONCEALMENT
BRR DECODER
VIDEO DATA
VTR DATA
OUTER ECC DECODER
VIA DATA
V DATA
INNER ECC DECODER
H
V
CLOCK
SYNC
CF PULSE
VF AUDIO CH1
FROM TC
CONCEALMENT FIFO MEMORY
DE-SHUFFLING MEMORY
A DATA FIFO MEMORY
V DATA DE-SHUFFLING MEMORY
DE-INTERLEAVING MEMORY
DRUM BOARD
DRUM FG
AMP
DRUM PG
AMP
CAPSTAN FG-A
CAPSTAN FG-B
MPU2
PB SEL
START PULSE
EN START PULSE
TO DVP
DRUM PWM AMP
DRIVER
DRUM MOTOR
M
DRUM CURRENT
CAPSTAN FG PROCESSING
CAPSTAN PWM AMP
DRIVER
CAPSTAN MOTOR
M
CAPSTAN CURRENT
MPU1
S REEL FG
T REEL FG
BI-DIRECTIONAL MOTOR DRIVE
THREADING MOTOR
M
TAPE TOP SENSOR
TAPE END SENSOR
TAPE TOP/END SEL
TAPE TOP/END DET
CUE/TC REC
TO HN (1/4)
CUE-2 (2/2)
CTL HEAD
FUNC CAM 0-3
REC CTL
REC CTL (FORMER)
CASSETTE DET SW
5
CTL REC
PB CTL
PB EQ AMP
CASSETTE LOCK
ERASE OSC
FULL ERASE HEAD
CTL-10
DEW SENSOR
AMP
AD-155
HN-260 (3/4)
SV ADJ RV
ADJ VR
PUSH/DIP SW
ADJ SW
SV ADJ LED
TO/FROM CAMERA BLOCK
HUMID DET
REC INHIBIT
SCI (SV)
NOVRAM
NOVRAM
SV-210
HN-260 (4/4)


OPTION
MY-93
REC DATA
DRC CK
DVP-17
(2/2)
FIFO MEMORY
REC DATA
A.E
B.F
C.G
D.H
RF INTERFACE
MPX
MPX CK
SCI (DPR)
4
PB SEL
4
START PULSE
PB DATA
A.E
CK
B.F
CK
C.G
CK
D.H
CK
REC DATA
PLL
A/D CONV.
EQ AMP
VITERBI
PLL
HN-260
(2/4)
ROTALY TRANS
DRUM ASS'Y
REC AMP
REC A
REC B
REC C
REC D
REC E
REC F
REC G
REC H
MPX DECODER
8 REC EN
8 REC CURR
4 PB SEL
PB AMP
CONF A
CONF B
CONF C
CONF D
CONF E
CONF F
CONF G
CONF H
9.3V
FAN DRIVER
FAN
FAN CONT.
+5V
MB-811
LP-109
BATTERY INF
BATT REM
LIGHT CONT
BATT (+)
BATT (-)
CNB-11
DCP
DCP
DCP
LP-111
EXT DC IN
1
4
DC-106
BATT OUT (+)
UNSW +12V
UNSW +12V
DC OUT
DC F IN
TC
HP
HP
UNREG +12V
DC OUT 12V
REMOTE
SD (RM),REM TEST
RM-180
LIGHT UNREG
L: POWER ON
DCP
LIGHT
PS-533
POWER SW
LIGHT CONT
LIGHT OFF (MB)
LIGHT CONT (MB)
SW-973
PWM POWER CONT.
REF VOLT
RE-161
UNREG +12V
SWITCHING DRIVER
SHORT CIRCUIT PROT.
RE-160
+9.3V
+7V
+2.5V
+3V
+5V
-5V
+48V
+16V
+6V
-11V
VF
CAMERA
VTR
CAMERA/ VTR
MIC
CCD
DC-DC CONVERTER

VTR Overall Block (2/2)

Section 7
Periodic Maintenance and Inspection

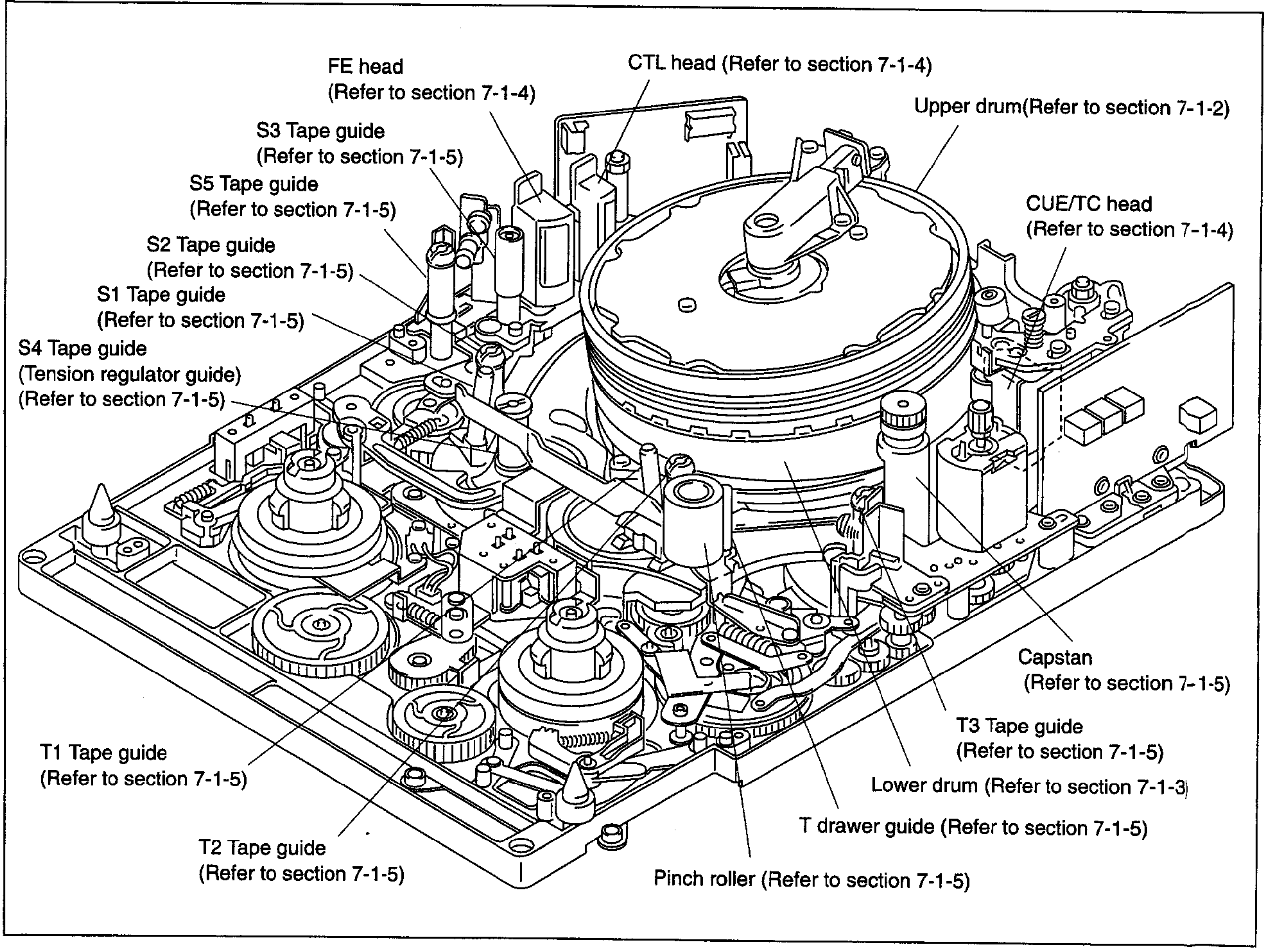
7-1. Cleaning

To make the most of the functions, fully realize the performances of this unit and to lengthen the life of the unit and tape, clean the parts often.

7-1-1. General Information for Cleaning

1. Index

This subsection describes methods of cleaning the blocks that are shown in the following illustration.


FE head
(Refer to section 7-1-4)
CTL head (Refer to section 7-1-4)
Upper drum(Refer to section 7-1-2)
S3 Tape guide
(Refer to section 7-1-5)
S5 Tape guide
(Refer to section 7-1-5)
CUE/TC head
(Refer to section 7-1-4)
S2 Tape guide
(Refer to section 7-1-5)
S1 Tape guide
(Refer to section 7-1-5)
S4 Tape guide
(Tension regulator guide)
(Refer to section 7-1-5)
Capstan
(Refer to section 7-1-5)
T3 Tape guide
(Refer to section 7-1-5)
T1 Tape guide
(Refer to section 7-1-5)
Lower drum (Refer to section 7-1-3)
T drawer guide (Refer to section 7-1-5)
T2 Tape guide
(Refer to section 7-1-5)
Pinch roller (Refer to section 7-1-5)

2. Notes

- Be sure to turn the power off before cleaning.
- The blocks in the mechanical deck consist of the precision parts, and adjust precisely. Be careful not to damage the parts, and not to apply an excessive force during cleaning.
- Do not touch the greased portions during cleaning. If grease attaches to a cleaning cloth, replace the cleaning cloth by new one. If the cleaning cloth smeared with grease used, grease may attach to the places where it should not.
- Do not insert a cassette tape before cleaning fluid completely evaporates.

3. Preparations

(1) Turn the power off.

(2) Remove the front lid and the outside panel. (Refer to section 1-6.)

7-1-2. Cleaning of Tape Running Surface of Upper Drum and Video Heads

Note

The upper drum and video heads are the parts that can damage easily. Take care not to damage the upper drum and rotary heads during cleaning.

Tools

- Cleaning cloth : 3-184-527-01
- Cleaning fluid : 9-919-573-01

Note

Never use a cotton swab.

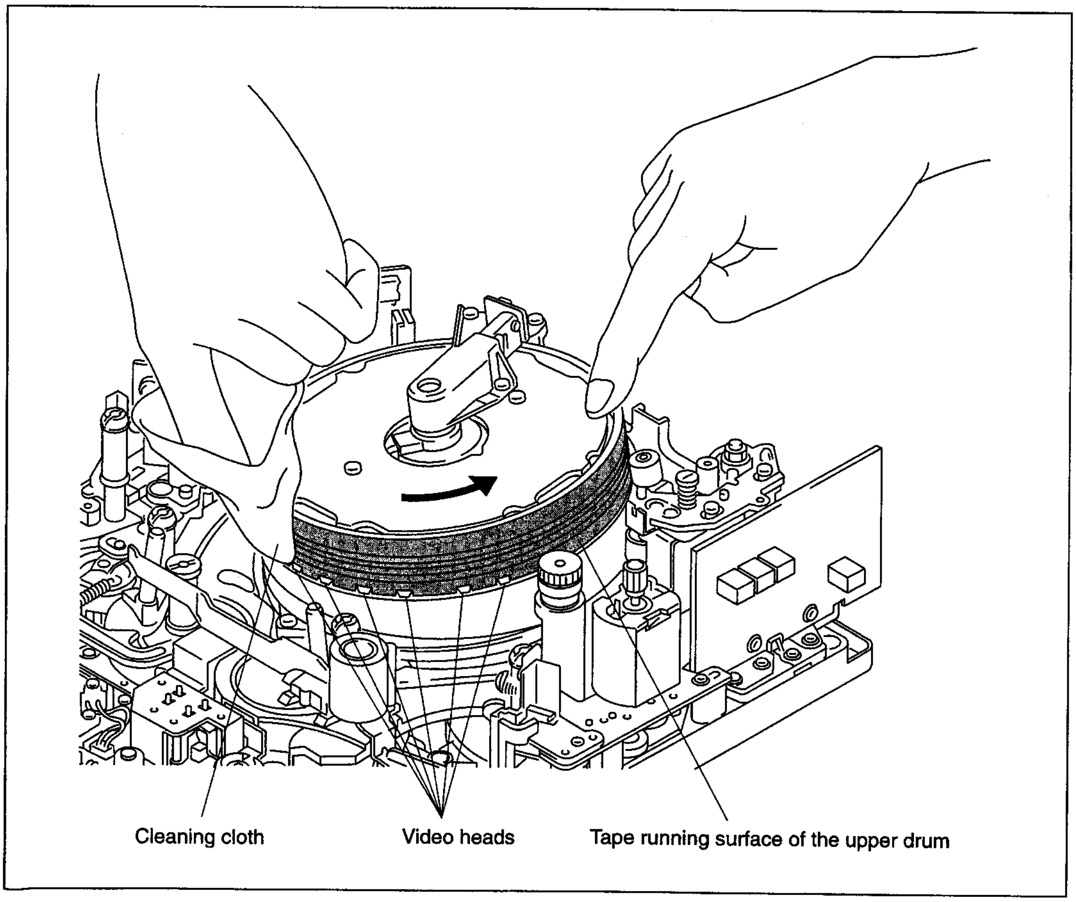
Procedures

1. Press a cleaning cloth moistened with cleaning fluid slightly against the video heads, and rotate the upper drum slowly counterclockwise.
2. Press a cleaning cloth moistened with cleaning fluid slightly against the tape running surface of the upper drum (shaded portion) as shown in the figure.

   Note

   Be sure to rotate the upper drum counterclockwise. Be sure to clean the rotary heads along the circumference. (Do not clean the video heads in the vertical direction. This may damage them.)

3. After cleaning, wipe the rotary heads using a dry cleaning cloth.



7-1-3. Cleaning of Tape Running Surface of Lower Drum and Lead Surface

Note

Take care not to damage the lower drum (specially lead surface) during cleaning. Take care to clean the edge portion above the lower drum because it is near the video heads.

Tools

- Cleaning cloth : 3-184-527-01
- Cleaning fluid : 9-919-573-01
- Skewer or an equivalent (A metallic skewer can not use.)

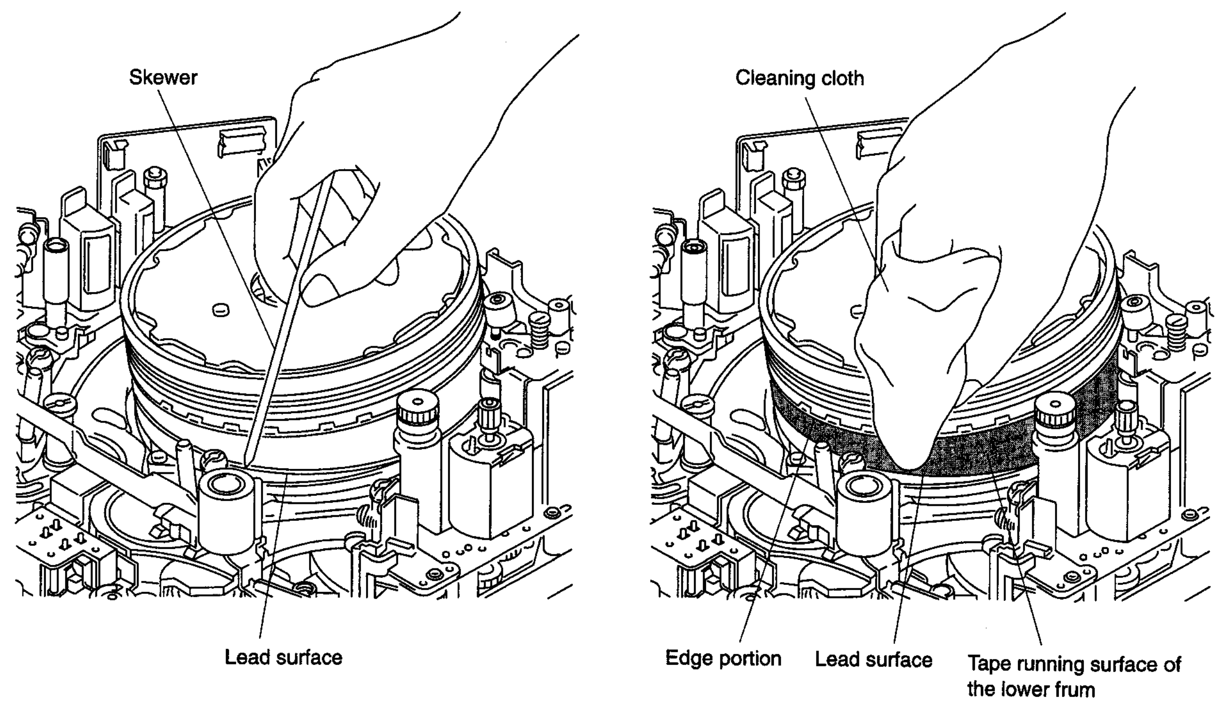
Procedures

1. Put a skewer (or an equivalent) along the drum lead surface and remove magnetic powder as shown in the figure.

   Notes

   - Do not use a metallic skewer instead of a skewer. This may damage the tape running surface.
   - If the magnetic powder attached to the drum lead surface, tracking may badly influence.
     Remove the magnetic powder completely.

2. Clean the tape running surface of the lower drum and lead surface (shaded portion) using a cleaning cloth moistened with cleaning fluid as shown in the figure.
3. After cleaning, be sure to wipe the tape running surface of the lower drum and lead surface using a dry cleaning cloth.



7-1-4. Stationary Heads and Cleaning Blade Cleaning

Note

- Cleaning blade has a sharp edge. Never touch the edge by bare hands. Take care to clean.
- Take care not to damage the surfaces of the stationary heads when cleaning.

Tools

- Cleaning cloth : 3-184-527-01
- Cleaning fluid : 9-919-573-01

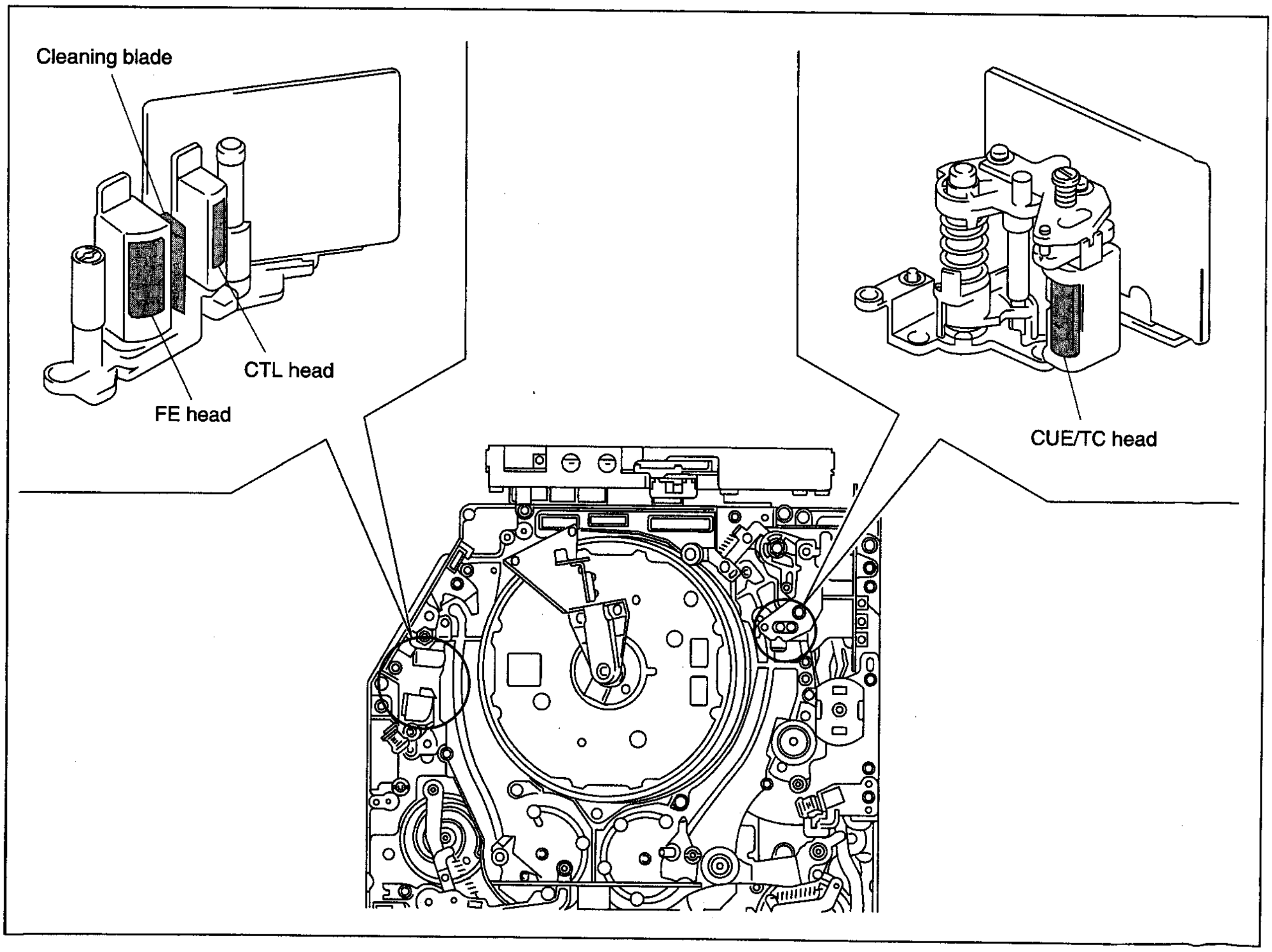
Procedures

1. Clean the tape running surfaces of the FE, CTL and CUE/TC heads and the cleaning blade of the FE head in the vertical direction using a cleaning cloth moistened with cleaning fluid.

   Note

   - Never touch the edge portion of the cleaning blade by bare hands.
   - If the magnetic powder attached to the head gap portions of the FE, CTL and CUE/TC heads, an error may occur when the recording or playback. Remove the magnetic powder completely.

2. After cleaning, be sure to wipe the tape running surfaces of the FE, CTL and CUE/TC heads using a dry cleaning cloth.



7-1-5. Cleaning of Tape Running System

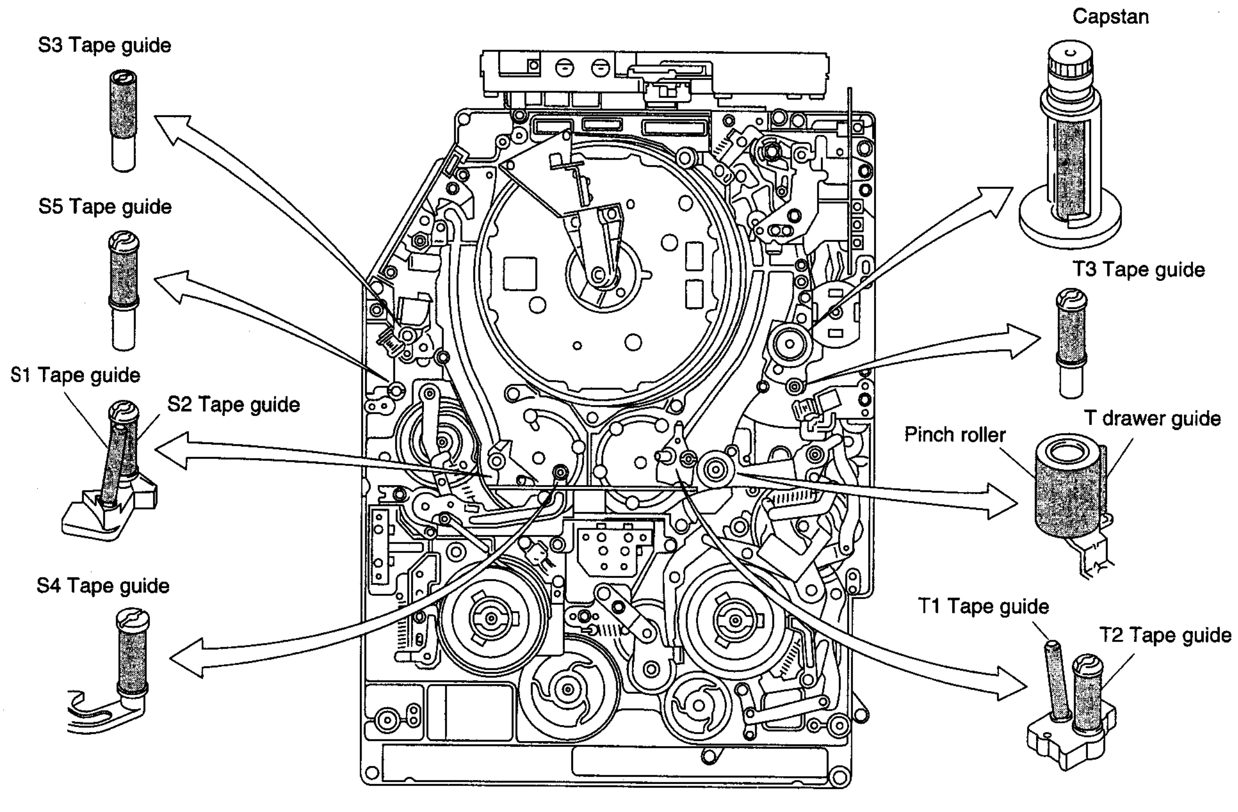
Tools

- Cleaning cloth : 3-184-527-01
- Cleaning fluid : 9-919-573-01

Procedures

1. Clean the tape running surfaces (shaded portions) of the following guides using a cleaning cloth moistened with cleaning fluid as shown in the figure.
   S1 guide, S2 guide, S3 guide, S4 guide, S5 guide, T1 guide, T2 guide, T3 guide, T drawer guide, capstan and pinch roller

2. After cleaning, be sure to clean the tape running surfaces of the above guides and the edge portion of the tape cleaner using a dry cleaning cloth.


S3 Tape guide
S5 Tape guide
S1 Tape guide
S2 Tape guide
S4 Tape guide
Capstan
T3 Tape guide
Pinch roller
T drawer guide
T1 Tape guide
T2 Tape guide

7-1-6. Cares After Using at Special Environment

It is recommended to check the following items after gathering the news at seaside or dust area.

1. Clean off sand and other dust in the unit carefully.
2. Clean the video heads, upper and lower drums and stationary heads.
3. Clean the tape running surfaces (tape guides, capstan shaft and pinch roller).
4. Clean the connectors on the connector panel.
5. Carry out the common operation check (recording or playback) and check that the unit has not an abnormal sound or operation.

If the unit has an abnormal condition, please contact your Sony dealer.

7-2. Periodic Check

To make the most of the functions, fully realize performances of the unit, and to lengthen the life of the unit and tape, a periodic check is recommended.

7-2-1. Hours Meter

This unit can display an hours meter on the view finder, and reset the your requested hours meter.
It is recommendable to carry out the periodic check using this hours meter as a reference.

1. Display procedures

(1) Press the DIAGNOSTIC switch on the side panel to enter the DIAGNOSTIC mode using the tip of a clip.
(2) The view finder changes every pressing the SHIFT button on the side panel.
(3) Press the DIAGNOSTIC switch on the side panel to exit the DIAGNOSTIC mode.

2. Customer reset

The hours meters of "5. DRUM RUN-2", "6. TAPE RUN-2", "7. OPERATION-2" and "8. THREADING-2" can reset by a customer.

(1) While checking on the LCD display, select the your requested hours meter by pressing the SHIFT button on the side panel.
(2) Press the RESET button on the side panel, and the total time of the your selected hours meter will reset .

3. Contents of display

Mode			Description
LCD display (Blinking)	View Finder		
01 XXXH	-SELF DIAG. START- ↓ After 2 seconds		
02 XXXH	VTR MENU-1		
03 XXXH			
04 XXX	HOURS METER		The following contents are displayed.
	1. DRUM RUNNING	_XXXH	1. Total hours when the drum rotates (Display of the time by an hour)
05 XXXH	2. TAPE RUNNING	_XXXH	2. Total hours when the tape runs (Display of the time by an hour)
	3. OPERATION	_XXXH	3. Total hours when the power of the unit is on (Display of the time by an hour)
06 XXXH	4. THREADING	_XXX	4. Total number of threading time (Display of the threading and unthreading times)
	5. DRUM RUN-2	_XXXH	5. Hours when the drum rotates (Customer-resetable)
07 XXXH	6. TAPE RUN-2	_XXXH	6. Hours when the tape runs (Customer-resetable)
	7. OPERATION-2	_XXXH	7. Hours when the power of the unit is on (Customer-resetable)
08 XXX	8. THREADING-2	_XXX	8. Number of threading time (Customer-resetable)

7-2-2. Periodic Check List

The replacemebt time which show in the following list are not the guarantee term parts. Use this list as guidelines for the maintenance and inspection. The replacement time of the parts vary depending on the operation environment and conditions of the unit.

Note

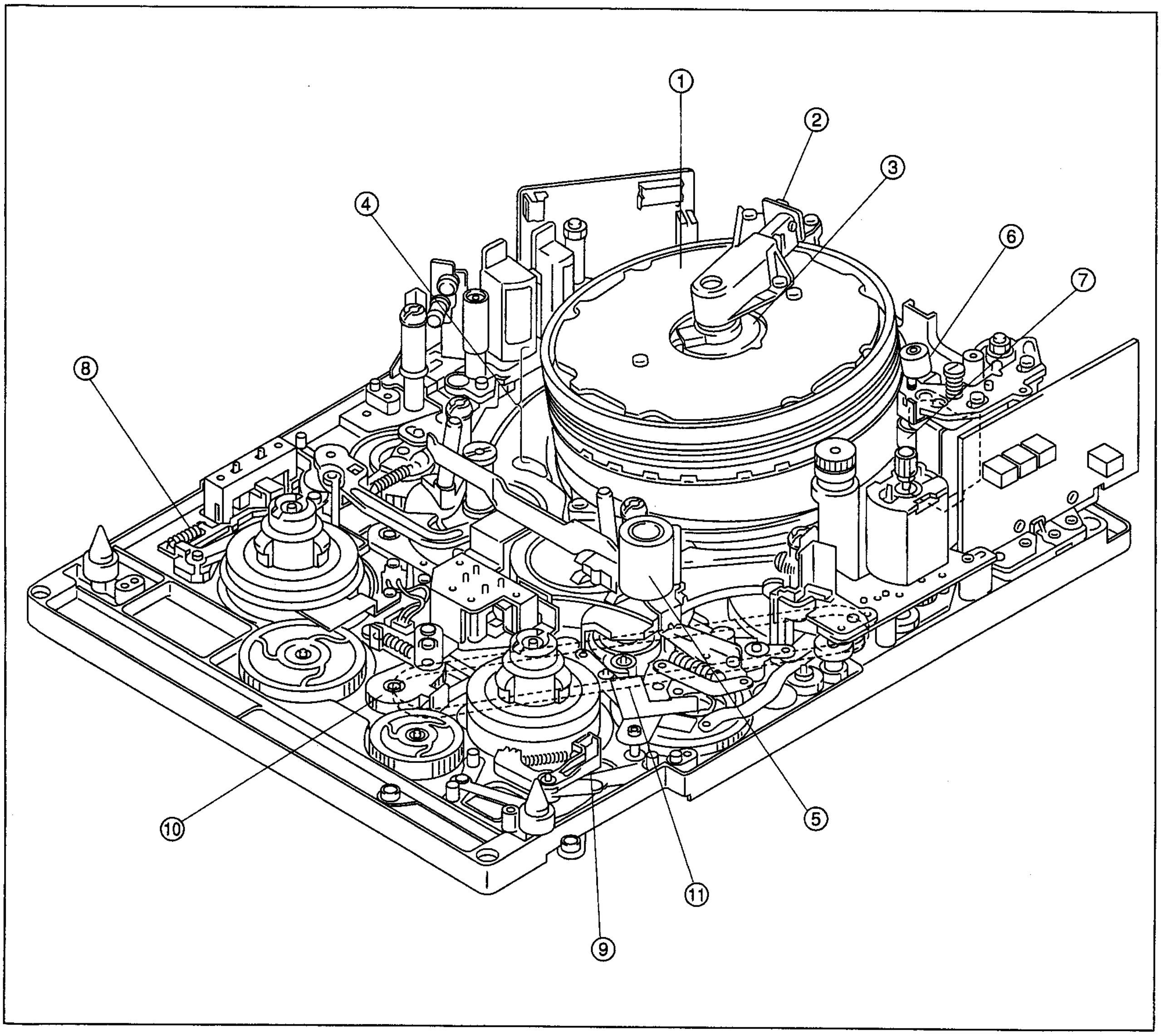
The parts marked by ①, ② and ③ together with drum assembly when the drum assembly ④ is replaced.
Refer to Maintenance Manual Part 2, Volume 1, Section 4 for replacement procedure.

MODE A : DRUM RUNNING METER
MODE B : TAPE RUNNING METER

No	Item	MODE	Inspection Hours(h)								Replacement Parts		
			500	1000	1500	2000	2500	3000	3500	4000	Part Name	Part No.	Q'ty
①	Upper Drum Assembly	A	–	–	–	R	–	–	–	R	UPPER DRUM ASSY DJR-10-R (for PAL) DJR-09-R (for NTSC)	 A-8263-624- A-8263-641-	 1 1
②	Brush Assembly for Slip Ring	A	–	–	–	R	–	–	–	R	BRUSH ASSY (RP)	A-8263-856-	1
③	Slip Ring Assembly	A	–	–	–	R	–	–	–	R	SLIP RING ASSY (RP)	A-8263-855-	1
④	Drum Assembly					R:6000H					DRUM ASSY DJH-10A-R (for PAL) DJH-09A-R (for NTSC)	 A-8263-623- A-8263-628-	 1 1
⑤	Pinch Roller	B	–	–	–	R	–	–	–	R	PINCH ROLLER ASSY	X-3678-926-	1
⑥	HC Roller for Video Head	A	–	R	–	R	–	R	–	R	VF CLEANER ASSY	A-8278-044-	1
⑦	Cleaning Brush for CUE Head	A	–	–	–	R	–	–	–	R	CUE BRUSH	3-681-778-	1
⑧	Tension Regulator Band Assembly	B	–	–	–	R	–	–	–	R	TENSION REGULATOR BAND ASSY	X-3678-114-	1
⑨	T Soft Brake Assembly	B	–	–	–	R	–	–	–	R	T SOFT BRAKE ASSY	X-3678-096-	1
⑩	Swing Gear Assembly	B	–	–	–	R	–	–	–	R	GEAR ASSY	A-8278-034-	1
⑪	Timing Belt	B	–	–	–	–	–	R	–	–	TIMING BELT	3-679-723-01	1

"R" indicates timing of part "replacement"

- Check sometimes the deformation of the eye cap of the view finder, and the deterioration of CRT, shoulder pad and wind screen. Replace them as necessary.
- Replace the lithium battery (1-528-229-11) on the TC-101 board every five years.


①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪

Section 8
Spare Parts

8-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

3. Stock of Parts

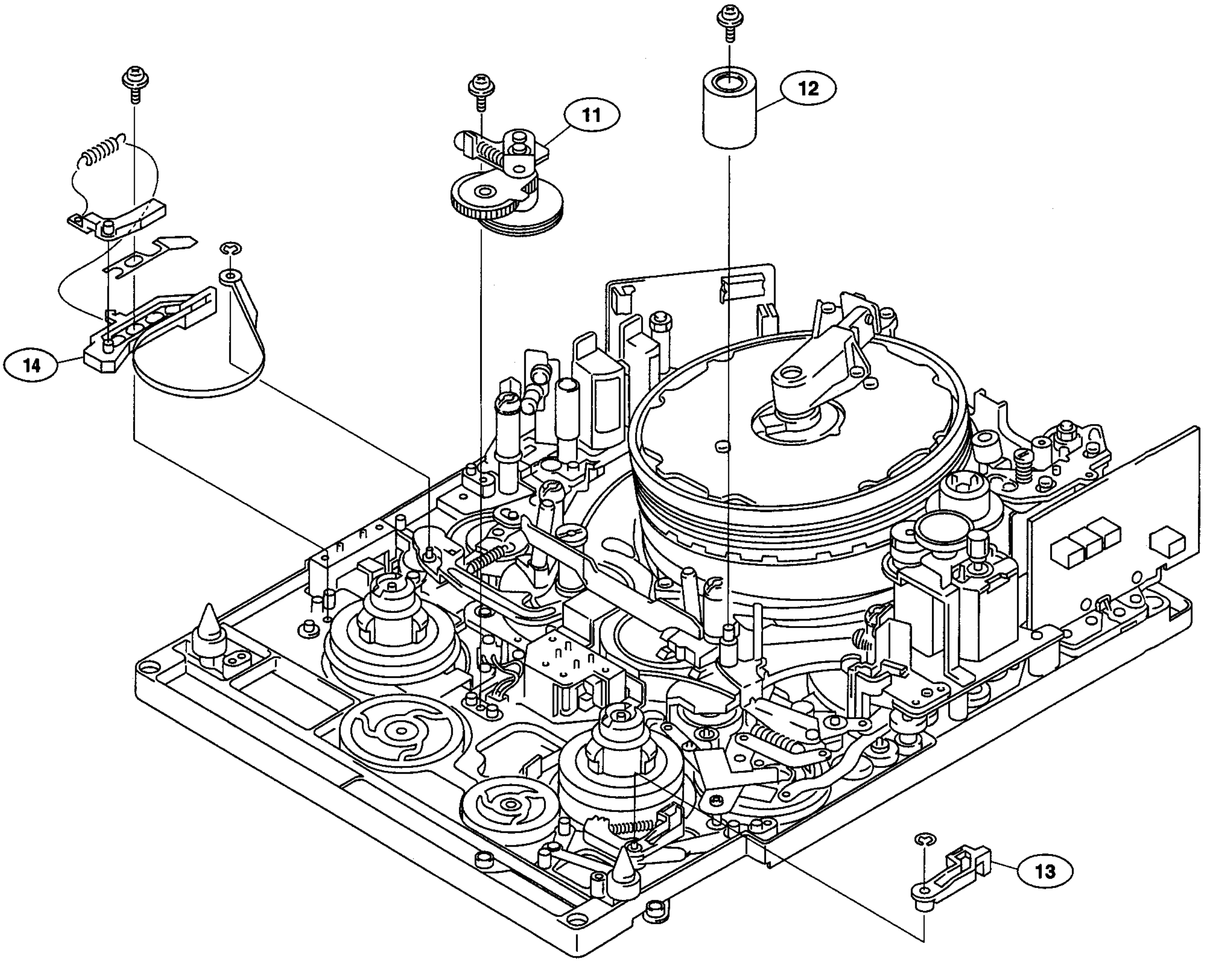
Parts marked with "o" at SP (Supply code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Indication of Part Destination

The parts that have the following indication, are used in the specified destination.
For J : Used in the Japanese models.
For SY : Used in the World-wide models.

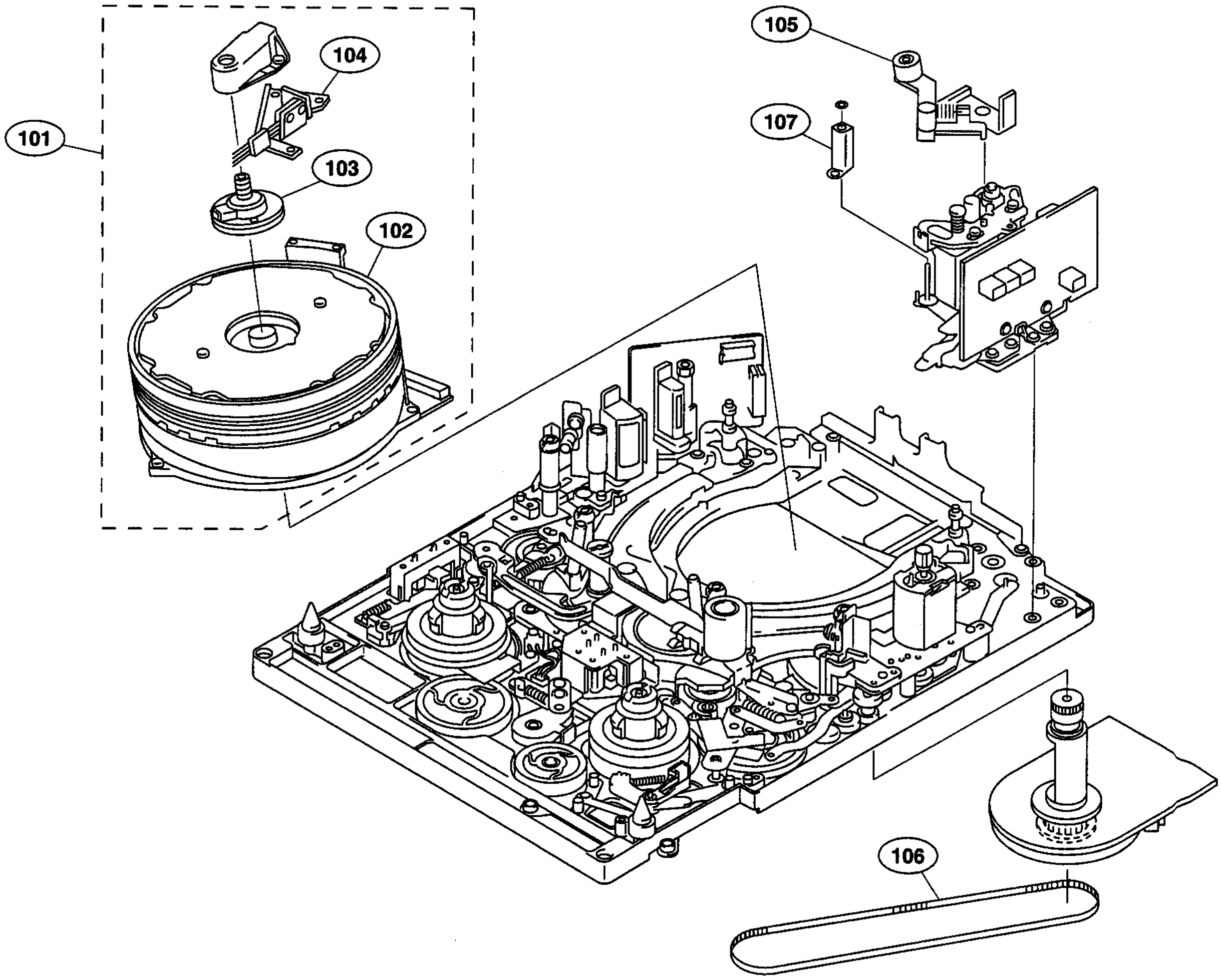
8-2. Recommended Replacement Parts

Mechanical Block 1



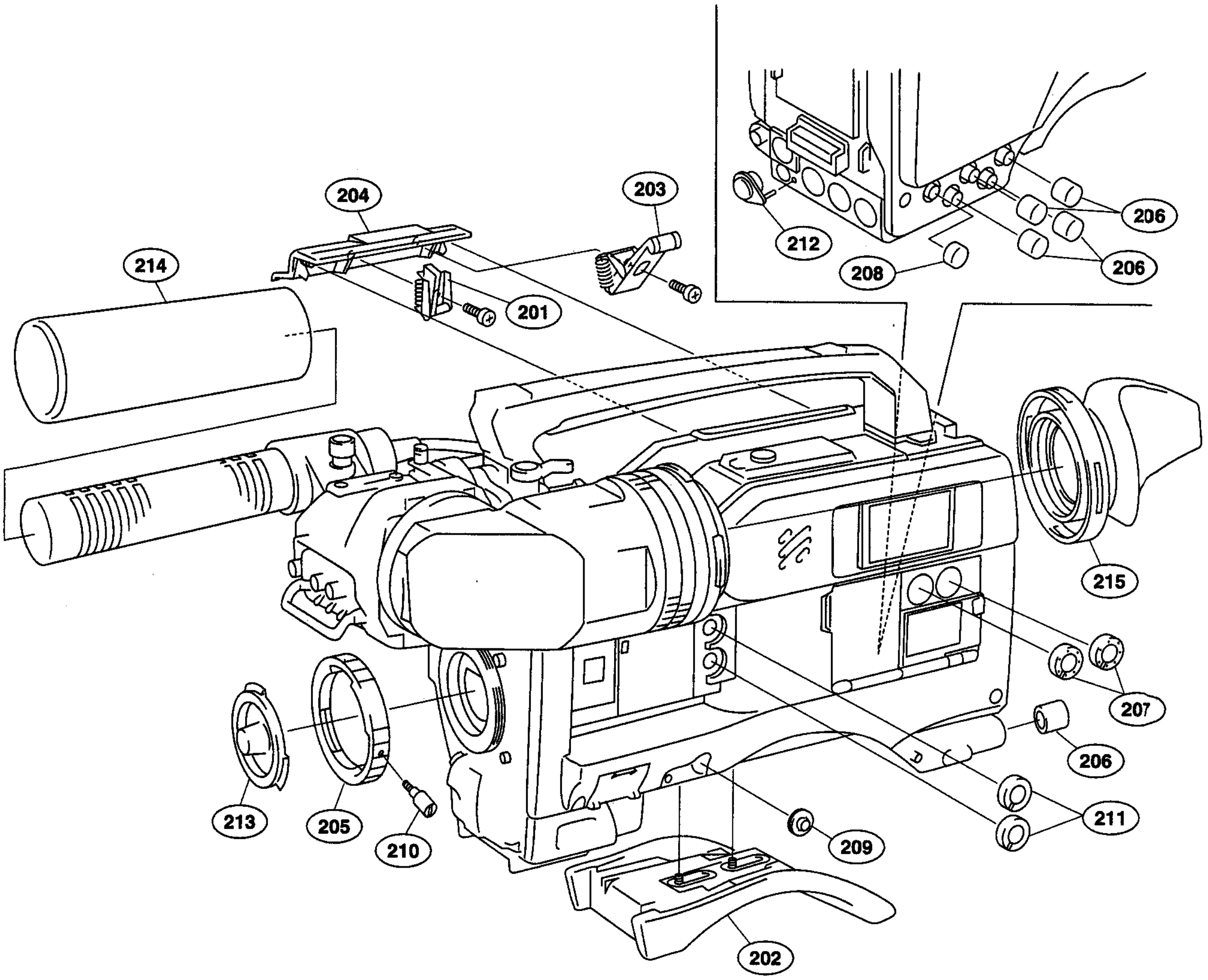
No.	Part No.	SP	Description
11	A-8278-034-F	o	GEAR ASSY
12	X-3678-926-1	s	PINCH ROLLER ASSY
13	X-3678-096-4	s	BRAKE ASSY, T SOFT
14	X-3678-114-2	s	BAND ASSY, TENSION REGULATOR

Mechanical Block 2



No.	Part No.	SP	Description
101	A-8263-623-A	s	DJH-10A-R (for PAL)
	A-8263-628-A	s	DJH-09A-R (for NTSC)
102	A-8263-624-A	s	DJR-10-R (for PAL)
	A-8263-641-A	s	DJR-09-R (for NTSC)
103	A-8263-855-A	s	RING ASSY (RP), SLIP
104	A-8263-856-A	s	BRUSH ASSY (RP)
105	A-8278-044-J	s	CLEANER ASSY, VH
106	3-679-723-01	s	BELT, TIMING
107	3-681-778-01	s	BRUSH, CUE

Exterior Part


204
203
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205
210

No.	Part No.	SP	Description
201	A-8278-840-B	s	CASSETTE RETAINER ASSY
202	A-8279-095-A	s	PAD ASSY, SHOLDER
203	A-8279-344-A	s	ARM ASSY, CASSETTE ROCK
204	X-3605-336-4	o	LID SUB ASSY, FRONT
205	3-186-442-01	o	RING, MOUNT
206	3-604-795-01	s	CAP, BNC
207	3-611-740-01	o	KNOB, VR (2)
208	3-617-514-01	s	REMOTE CAP
209	3-676-244-03	s	COVER, SWITCH
210	3-678-629-00	s	LEVER MOUNT
211	3-680-219-02	s	KNOB, VR
212	3-680-269-01	s	RUBBER (DO), DROP PROTECTION
213	3-699-048-01	s	CAP MOUNT
214	3-709-104-01	s	SCREEN, WINDOW
215	3-723-079-02	s	EYE CUP

Mounted Circuit Board

Part No.	SP	Description
A-8263-156-A	o	MOUNTED CIRCUIT BOARD, CTL-10
A-8263-157-A	o	MOUNTED CIRCUIT BOARD, CUE-2
A-8277-768-A	o	MOUNTED CIRCUIT BOARD, CN-1183
A-8310-898-B	o	MOUNTED CIRCUIT BOARD, SE-275
A-8321-221-A	o	MOUNTED CIRCUIT BOARD, MB-810
A-8321-251-A	o	MOUNTED CIRCUIT BOARD, IO-178
A-8321-255-A	o	MOUNTED CIRCUIT BOARD, DC-101
A-8321-256-A	o	MOUNTED CIRCUIT BOARD, CI-21
A-8321-452-A	o	MOUNTED CIRCUIT BOARD, DVP-17
A-8321-453-A	o	MOUNTED CIRCUIT BOARD, HN-260
A-8321-456-A	o	MOUNTED CIRCUIT BOARD, MB-811
A-8321-457-A	o	MOUNTED CIRCUIT BOARD, CP-329
A-8321-458-A	o	MOUNTED CIRCUIT BOARD, VR-248
A-8321-459-A	o	MOUNTED CIRCUIT BOARD, HP-93
A-8321-460-A	o	MOUNTED CIRCUIT BOARD, CNB-11 (for SY)
A-8321-461-A	o	MOUNTED CIRCUIT BOARD, AXM-21 (for SY)
A-8321-462-A	o	MOUNTED CIRCUIT BOARD, LP-111
A-8321-464-A	o	MOUNTED CIRCUIT BOARD, DC-106
A-8321-465-A	o	MOUNTED CIRCUIT BOARD, SV-210
A-8321-470-A	o	MOUNTED CIRCUIT BOARD, TC-101
A-8321-474-A	o	MOUNTED CIRCUIT BOARD, PS-533 (DVW-709WS/709WSP/790WS/790WSP)
A-8321-477-A	s	CONVERTER ASSY, DC-DC
A-8321-481-A	o	MOUNTED CIRCUIT BOARD, DCP-17
A-8321-482-A	o	MOUNTED CIRCUIT BOARD, ES-23 (DVW-707/709WS/790WS)
A-8321-483-A	o	MOUNTED CIRCUIT BOARD, DVP-14
A-8321-489-A	o	MOUNTED CIRCUIT BOARD, DR-387
A-8321-491-A	o	MOUNTED CIRCUIT BOARD, VA-191
A-8321-492-A	o	MOUNTED CIRCUIT BOARD, TG-207 (DVW-709WS/790WS)
A-8321-499-A	o	MOUNTED CIRCUIT BOARD, CNB-11B (for J)
A-8321-500-A	o	MOUNTED CIRCUIT BOARD, AXM-21B (for J)
A-8321-508-A	o	MOUNTED CIRCUIT BOARD, ES-23P (DVW-707P/709WSP/790WSP)
A-8321-509-A	o	MOUNTED CIRCUIT BOARD, TG-207P (DVW-709WSP/790WSP)
A-8321-610-A	o	MOUNTED CIRCUIT BOARD, AD-155
A-8321-706-A	o	MOUNTED CIRCUIT BOARD, RC-69 (DVW-709WS/709WSP/790WS/790WSP)
A-8321-707-A	o	MOUNTED CIRCUIT BOARD, RC-75 (DVW-709WS/709WSP/790WS/790WSP)
A-8321-731-A	o	MOUNTED CIRCUIT BOARD, TG-206 (DVW-707)
A-8321-732-A	o	MOUNTED CIRCUIT BOARD, TG-206P (DVW-707P)
A-8321-733-A	o	MOUNTED CIRCUIT BOARD, CN-1573 (DVW-707/707P)
A-8322-785-A	o	MOUNTED CIRCUIT BOARD, MA-94
A-8322-786-A	o	MOUNTED CIRCUIT BOARD, IF-716

Section 9
Optional Boards Installation

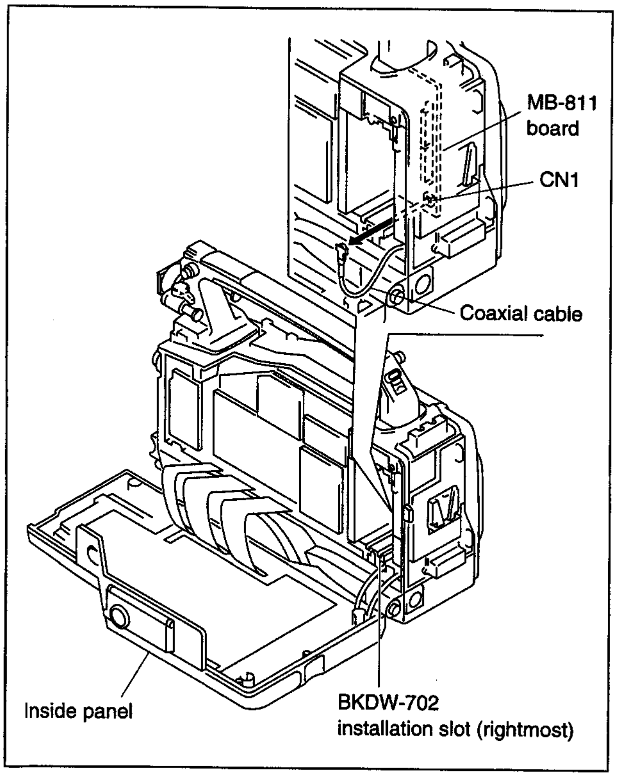
Note

Temperature inside the unit goes high while the main power is on.
For your safety, be sure to turn off the power and wait until inside of the unit cools down before installing the optional board.

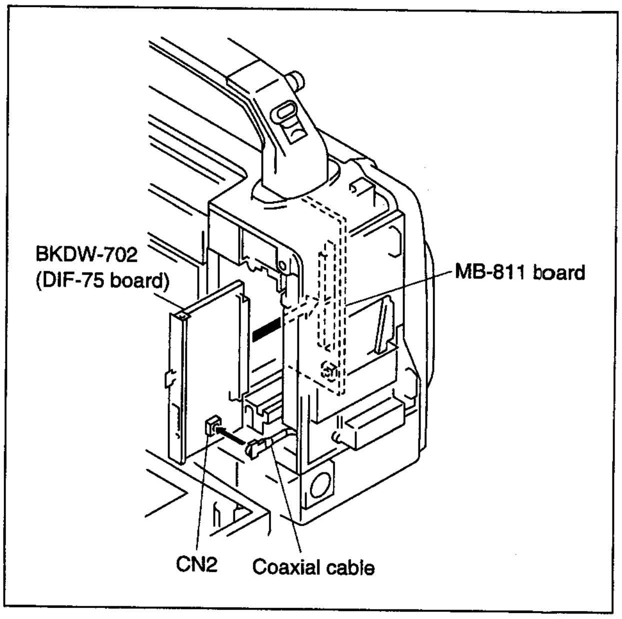
9-1. BKDW-702 (DIF-75 board)

Procedure

1. Open the inside panel. (Refer to Section 1-7.)
2. Remove the coaxial cable connected to CN1 on the MB-811 board behind the BKDW-702 installation slot (in the rightmost slot).


MB-811 board
CN1
Coaxial cable
Inside panel
BKDW-702 installation slot (rightmost)

3. Connect the removed coaxial cable to CN2 on the BKDW-702 (DIF-75 board).
4. Insert the BKDW-702 into the rightmost slot. Push in the BKDW-702 to the end of the slot to connect it to the connector of the MB-811 board securely.


BKDW-702 (DIF-75 board)
MB-811 board
CN2
Coaxial cable

5. Close the inside panel, and then fasten the four screws (with drop-safe) to install the panel.

   Note

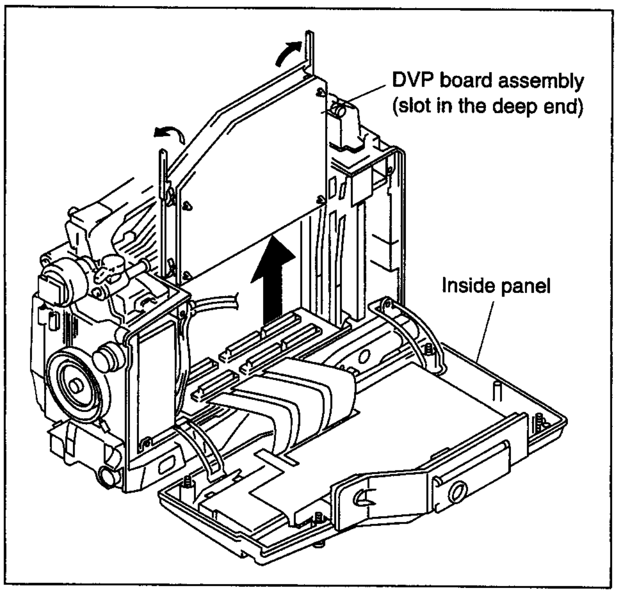
   Be careful not to pinch harnesses between the inside panel and chassis.

9-2. BKDW-703 (MY-93 board)

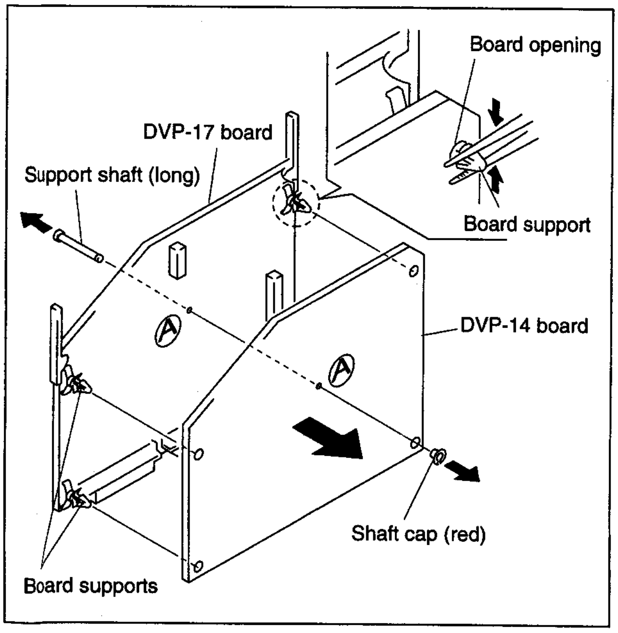
Install the BKDW-703 on side B of the DVP-17 board.

Procedure

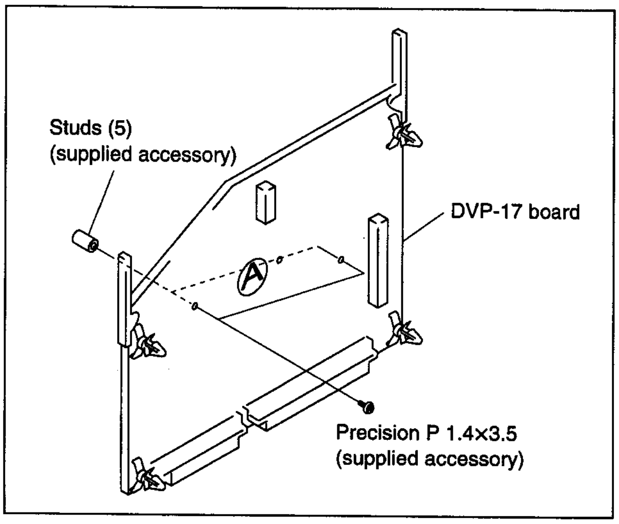
1. Open the inside panel. (Refer to Section 1-7.)
2. Remove the DVP board assembly. (Refer to Section 1-9.)


DVP board assembly
(slot in the deep end)
Inside panel

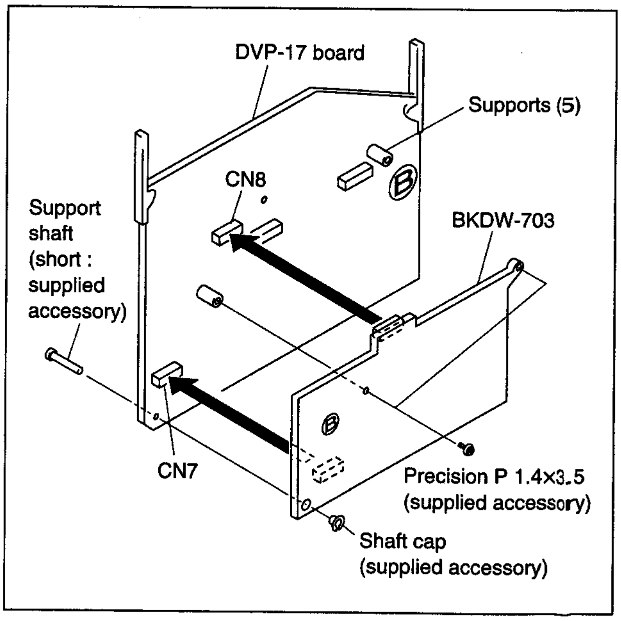
3. Remove the shaft cap and the support shaft (long) from the DVP board assembly.
4. Hold the cap of the board support with tweezers and press it to shrink. Remove the four caps from the four board openings, and then remove the DVP-14 board.


Board opening
DVP-17 board
Support shaft (long)
Board support
A
A
DVP-14 board
Shaft cap (red)
Board supports

5. Attach the two supports (5) supplied, onto side B of the DVP-17 board with the two precision screws supplied.


Studs (5)
(supplied accessory)
DVP-17 board
A
Precision P 1.4x3.5
(supplied accessory)

6. Insert the connector of the BKDW-703 (MY-93 board) to CN7 and CN8 on side B of the DVP-17 board, and connect them firmly.
7. Use the two precision screws supplied and fasten the BKDW-703 on the supports (5) attached in step 5.
8. Install the supplied support shaft (short) and the shaft cap as shown in the figure.

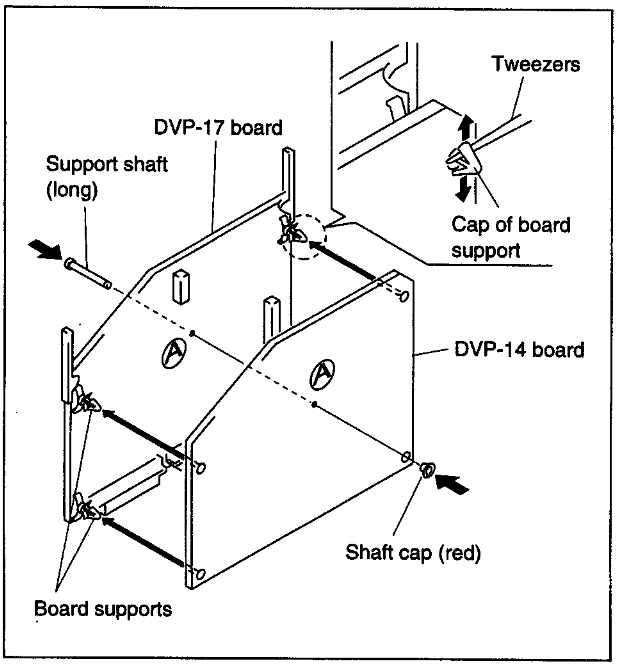

DVP-17 board
Supports (5)
CN8
B
Support
shaft
(short :
supplied
accessory)
BKDW-703
B
CN7
Precision P 1.4x3.5
(supplied accessory)
Shaft cap
(supplied accessory)

9. Reinstall the DVP-14 board that is removed in step 4.

   Note

   If the board support is easy to drop from the board opening, unfold the cap of the board support with tweezers' tip or the like.

10. Reattach the support shaft (long) and the shaft cap that are removed in step 3.


Tweezers
DVP-17 board
Support shaft (long)
Cap of board support
DVP-14 board
Ⓐ
Ⓐ
Shaft cap (red)
Board supports

11. Reinstall the DVP board assembly.
    (Refer to Section 1-9.)
12. Close the inside panel, and then fasten the four screws (with drop-safe) to install the panel.

    Note

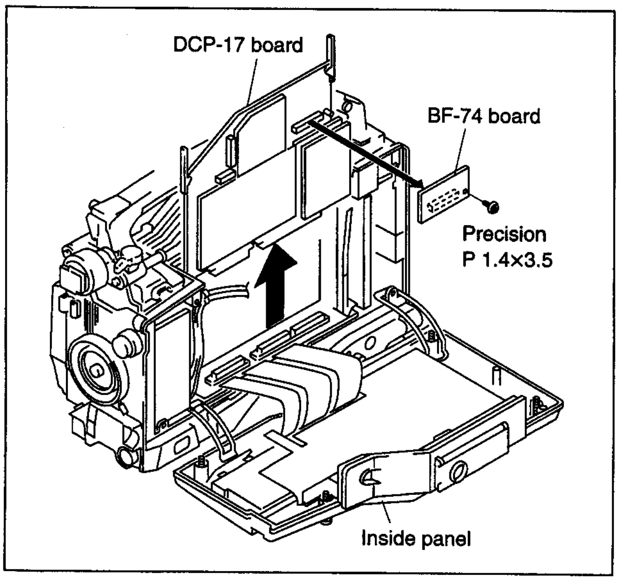
    Be careful not to pinch harnesses between the inside panel and chassis.

9-3. BKDW-704 (FM-65 board)

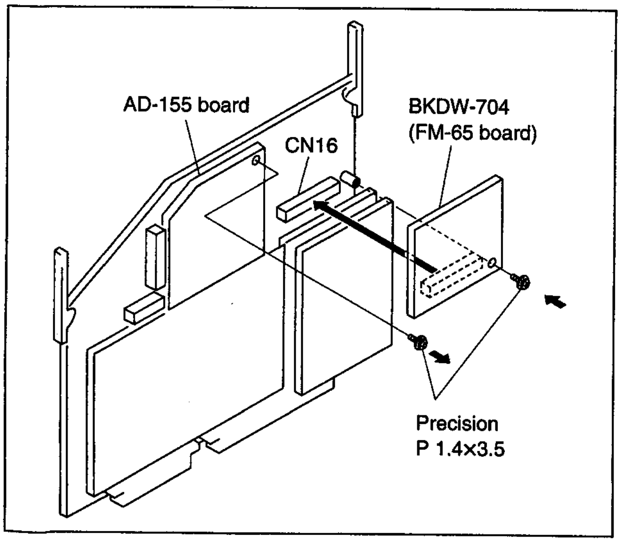
The BKDW-704 is the dedicated optional board for DVW-790WS/790WSP/709WS/709WSP.
(Even when the BKDW-704 board is installed in the DVW-707/707P, image inversion function is not usable.)
Install the BKDW-704 in exchange of the BF-74 board that is attached on the DCP-17 board.

Procedure

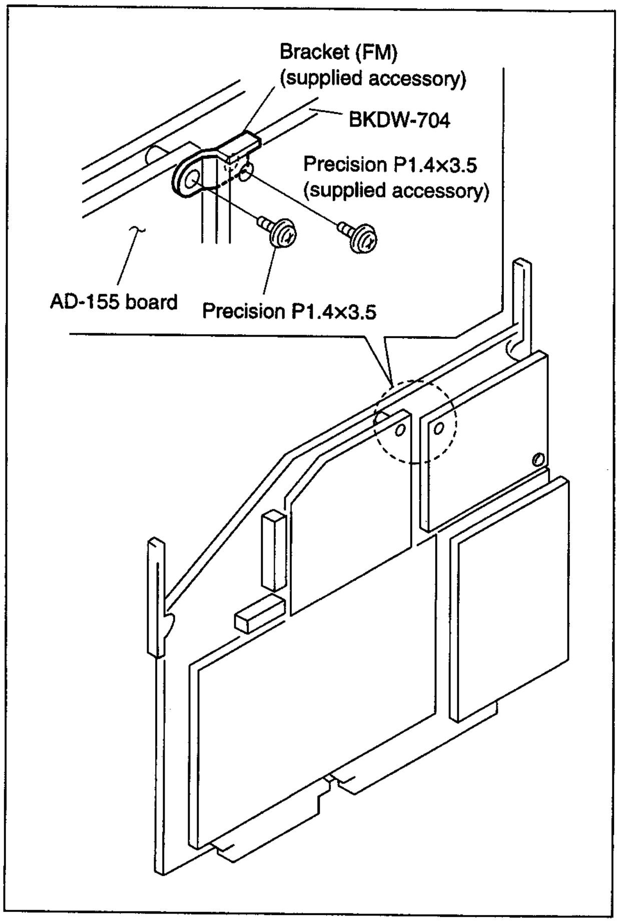
1. Open the inside panel. (Refer to Section 1-7.)
2. Remove the DCP board assembly (Refer to Section 1-9.)
3. Remove the precision screw, and then remove the BF-74 board from the DCP-17 board.


DCP-17 board
BF-74 board
Precision
P 1.4x3.5
Inside panel

4. Connect the BKDW-704 (FM-65 board) onto CN16 on the DCP-17 board, and fix it with the precision screw that is removed in step 3.
5. Remove the one precision screw from the AD-155 board.


AD-155 board
CN16
BKDW-704
(FM-65 board)
Precision
P 1.4x3.5

6. Set the supplied bracket (FM) between the BKDW-704 and the AD-155 board as shown in the figure. And then fix it with the supplied precision screw and the precision screw that is removed in step 5.


Bracket (FM)
(supplied accessory)
BKDW-704
Precision P1.4x3.5
(supplied accessory)
AD-155 board
Precision P1.4x3.5

7. Reinstall the DCP board assembly.
(Refer to Section 1-9.)
8. Close the inside panel, and then fasten the four screws (with drop-safe) to install the panel.

Note

Be careful not to pinch harnesses between the inside panel and chassis.

SONY®

DIGITAL BETACAM CAMCORDER

DVW-707/707P
DVW-709WS/709WSP
DVW-790WS/790WSP

SDI OUTPUT BOARD
BKDW-702

PICTURE CACHE BOARD
BKDW-703

IMAGE INVERTER BOARD
BKDW-704

Digital BETACAM™
Power HAD

MAINTENANCE MANUAL Part 2
Volume 2 1st Edition (Revised 1)

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

設置や保守，点検，修理などを行う前に，別冊のメンテナンスマニュアルPart 1の「安全のために」と別冊のオペレーションマニュアルの「安全のために」を必ずお読みください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

DVW-707 (SY)	Serial No. 10001 and Higher
DVW-707 (J)	Serial No. 30001 and Higher
DVW-707P (SY)	Serial No. 40001 and Higher
DVW-709WS (SY)	Serial No. 10001 and Higher
DVW-709WS (J)	Serial No. 30001 and Higher
DVW-709WSP (SY)	Serial No. 40001 and Higher
DVW-790WS (SY)	Serial No. 10001 and Higher
DVW-790WS (J)	Serial No. 30001 and Higher
DVW-790WSP (SY)	Serial No. 40001 and Higher

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

For the customers in the U.S.A. and Canada

RECYCLING NICKEL-CADMIUM BATTERIES

Nickel Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal.
Note: In some areas the disposal of nickel cadmium batteries in household or business trash may be prohibited.

RBRC (Rechargeable Battery Recycling Corporation) advises you about spent battery collection by the following phone number.

Call toll free number: 1-800-822-8837
(United States and Canada only)

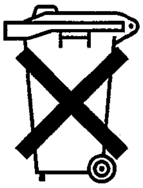
Caution: Do not handle damaged or leaking nickel-cadmium batteries.

Voor de klanten in Nederland

Dit apparaat bevat een MnO_2-Li batterij voor memory back-up.

Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.

Gooi de batterij niet weg. maar lever hem in als KCA.



Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

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このマニュアルについて

本書の目的

本書は，下記機種のメンテナンスマニュアル Part 2 Volume 2 です。

デジタルベータカムカムコーダ	DVW-790WS/709WS/707
SDI アウトプットボード	BKDW-702
ピクチャーキャッシュボード	BKDW-703
イメージインバータボード	BKDW-704 (DVW-790WS/709WS 専用)

メンテナンスマニュアル Part 2は，システム／サービスエンジニアの方々にご使用いただくことを想定し，部品レベルでのサービスを前提とした情報 (部品交換，調整要項，回路図，マウント図，詳細パーツリスト等) を記載しています。

本書 (volume 2) では，回路図，マウント図，詳細パーツリスト等を記載しています。

構成

メンテナンスマニュアル Part 2 (Volume 1, 2) の構成を把握していただくために，全章の概略を以下に説明します。

メンテナンスマニュアル
Part 2 Volume 2
(9-967-820-)

Section 1 Spare Parts

分解図および部品リストを記載しています。

Section 2 Semiconductor Pin Assignments

半導体標準図を記載しています。

Section 3 Block Diagrams

オーバーオール，各基板のブロック図を記載しています。

Section 4 Schematic Diagrams

フレーム図，回路図を記載しています。

Section 5 Board Layouts

基板のマウント図を記載しています。

メンテナンスマニュアル
Part 2 Volume 1
(9-967-818-)

第 1 章 サービスインフォメーション

治工具リスト，延長基板の使用方法，基板／部品交換時の注意事項等について説明しています。

第 2 章 メンテナンスモード

本機の設定メニュー (サービスモード) について説明しています。

第 3 章 部品の交換

基板，CCD ユニット，コネクタ／スイッチ等の交換方法について説明しています。

第 4 章 メカデッキ部品の交換

メカデッキ内部品の交換方法について説明しています。

第 5 章　テープ走行調整

第 4 章に記載した部品の交換後に行う，テープ走行系調整について説明しています。

第 6 章　VTR 系電気調整

第 3，4 章に記載した部品の交換後に行う，VTR系電気調整について説明しています。

第 7 章　カメラ系電気調整 (DVW-790WS/709WS 専用)

DVW-790WS/709WSの修理や基板交換後に必要なカメラ系電気調整について説明しています。

第 8 章　カメラ系電気調整 (DVW-707 専用)

DVW-707 の修理や基板交換後に必要なカメラ系電気調整について説明しています。

関連マニュアル

本機には，この「メンテナンスマニュアル Part 2」の他に，下記のマニュアルが用意されています。

- **オペレーションマニュアル (本機に付属)**
  本機を実際に運用および操作する際に必要なマニュアルです。

- **メンテナンスマニュアル Part 1 (本機に付属)**
  本機の保守に関する情報，初期サービスに関する情報，別売り基板 (BKDW-702/703/704) の取り付け方法等を記載したマニュアルです。

- **BVF-V10，BVF-V20W メンテナンスマニュアル (別途用意)**
  ビューファインダのサービスに関する情報を記載したマニュアルです。
  入手を希望される方は，ソニーの営業窓口にお問い合わせください。

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Manual Structure

Purpose of this manual

This manual is the Maintenance Manual Part 2 Volume 2 of the following models:

Digital Betacam Camcorder

	DVW-790WS/709WS/707, DVW-790WSP/709WSP/707P
SDI Output Board	BKDW-702
Picture Cache Board	BKDW-703
Image Inverter Board	BKDW-704 (For DVW-790WS/790WSP/709WS/709WSP only)

This Maintenance Manual Part 2 is intended for use by trained system and service engineers, and provides the information that promises the parts level service (parts replacement, guideline for adjustment, schematic diagrams, board layouts, detailed parts list).

This manual (volume 2) describes about spare parts and diagrams.

Contents

This Maintenance Manual Part 2 (Volume 1 and 2) is organized by the following sections:

Maintenance Manual Part 2 Volume 2 (9-967-820-)

Section 1 Spare Parts
Describes the exploded views and detailed parts list.

Section 2 Semiconductor Pin Assignments
Describes the semiconductor pin assignments.

Section 3 Block Diagrams
Describes the block diagrams of overall and each board.

Section 4 Schematic Diagrams
Describes the frame wiring and schematic diagrams for the unit.

Section 5 Board Layouts
Describes the board layouts for the unit.

Maintenance Manual Part 2 Volume 1 (9-967-819-)

Section 1 Service Overview
Explains the fixtures, using the extension boards, and precautions for board/part replacement.

Section 2 Maintenance Mode
Explains the setup menu (service mode) of this unit.

Section 3 Parts Replacement
Explains the replacement of the boards, CCD unit, and external connectors/switches.

Section 4 Mechanical Deck Parts Replacement

Explains the replacement of the parts of the mechanical deck.

Section 5 Tape Path Alignment

Explains the tape path alignment after replacement of parts that are described in Section 4.

Section 6 VTR System Electrical Alignment

Explains the electrical alignment for VTR system associated with replacement of parts that are described in Section 3 and 4.

Section 7 Camera System Electrical Alignment (DVW-790WS/ 790WSP/709WS/709WSP)

Explains the electrical alignment for Camera system that is required after the DVW-790WS/790WSP/709WS/709WSP repair is repaird or its board is replaced.

Section 8 Camera System Electrical Alignment (DVW-707/707P)

Explains the electrical alignment for Camera system that is required after the DVW-707/707P repair is repaired or its board is replaced.

Related manuals

Besides this "Maintenance Manual Part 2", the following manuals are available for this unit:

- **Operation Manual (Supplied with this unit)**
  This manual is necessary for application and operation of this unit.

- **Maintenance Manual Part 1 (Supplied with this unit)**
  This manual provides the information that is required to the primary services, maintenance of this unit and installation of the optional boards (BKDW-702/703/704).

- **BVF-V10/V10CE or BVF-V20W/V20WCE Maintenance Manual (available on request)**
  These manuals are describes the service information of the supplied viewfinder. If it is required, contact your local Sony Sales Office/Service Center.

Section 1
Spare Parts

1-1. 補修部品注意事項

1. 安全重要部品

⚠警告

⚠印のついた部品は安全性を維持するために重要な部品です。したがって，交換する時は必ず指定の部品を使ってください。

2. 部品の共通化

ソニーから供給する補修用部品は，セットに使われているものと異なることがあります。

これは部品の共通化，改良等によるものです。

部品表には現時点での共通化された補修用部品が記載されています。

3. 部品の在庫

部品表のSP (Supply code) 欄に“o”で示される部品は在庫していないことがあり，納期が長くなることがあります。

4. 単位の表記

下記の単位については，表記を変更または省略しています。

	単位	表記
静電容量	μF	uF
インダクタンス	μH	uH
抵抗値	Ω	省略
温度	°C	XXX-DEG-C

5. 仕向区分の表記

部品表中，下記表示のある部品は，その仕向で使用している部品です。

For J :　日本向けモデルに使用
For SY :　日本向け以外モデルに使用

Section 1
Spare Parts

1-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with "o" at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Units Representation

The following represented units are changed or omitted in writing.

	Units	Representation
Capacitance	μF	uF
Inductance	μH	uH
Resistance	Ω	Abbreviation
Temperature	°C	XXX-DEG-C

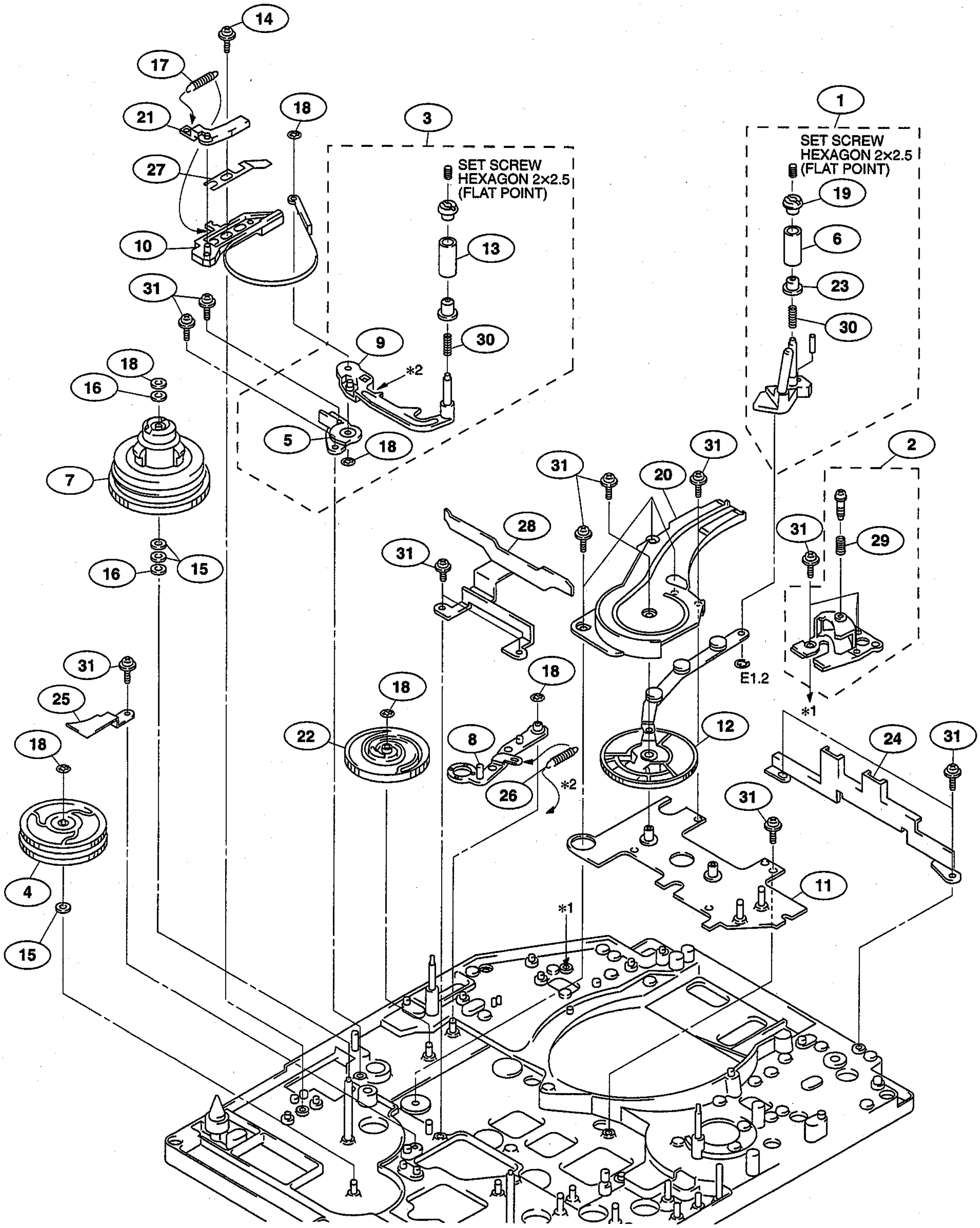
5. Destination Representation

The part indicated "For J/SY" in the spare parts list is used in the unit written below.

For J : The part is used in a unit for Japan.
For SY : The part is used in a unit for regions except Japan.

S Side Reel Chassis

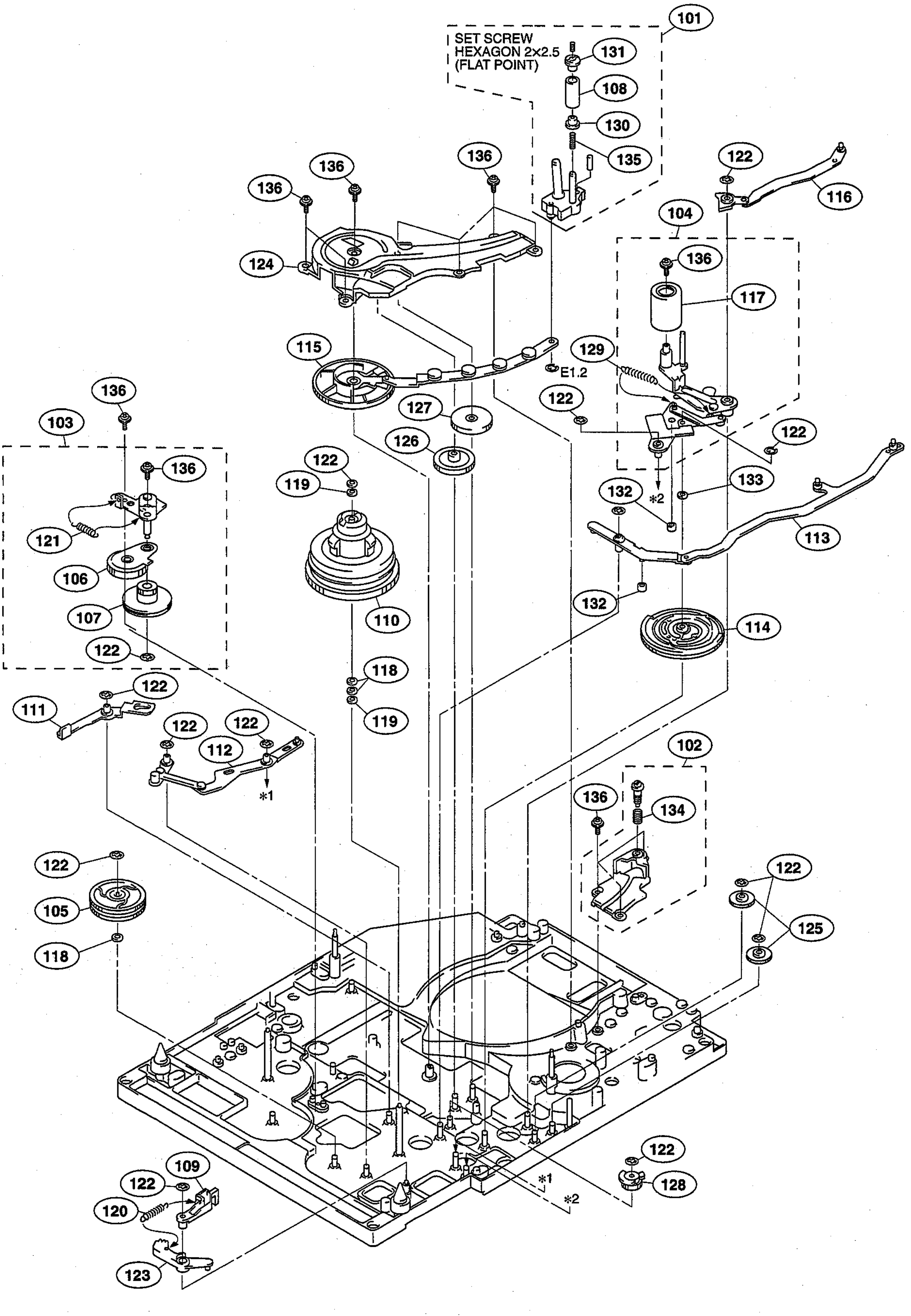
1-2. Exploded Views


14
17
21
18
3
1
27
SET SCREW
HEXAGON 2×2.5
(FLAT POINT)
SET SCREW
HEXAGON 2×2.5
(FLAT POINT)
19
10
13
6
31
23
30
30
9
*2
18
16
5
18
7
31
2
31
20
28
31
29
31
18
16
15
E1.2
*1
31
18
25
18
22
8
12
24
31
18
26
*2
31
4
11
*1
15

S Side Reel Chassis

No.	Part No.	SP	Description
1	A-8278-030-K	s	SLIDER ASSY, S
2	A-8278-032-D	o	CATCHER S ASSY
3	A-8278-036-H	s	TENSION REGURATOR ASSY
4	A-8278-249-D	s	IDLER ASSY, S
5	X-3678-090-1	o	HOLDER, BEARING ASSY
6	X-3678-091-3	s	ROLLER ASSY
7	X-3678-098-7	s	TABLE ASSY, S REEL
8	X-3678-109-2	o	ARM ASSY, DRAWER
9	X-3678-111-3	o	ARM ASSY, TENSION REGURATOR
10	X-3678-114-2	s	BAND ASSY, TENSION REGULATOR
11	X-3678-119-2	o	BASE ASSY, GEAR,THREADING
12	X-3678-123-6	o	GEAR ASSY, THREADING S
13	X-3678-156-2	s	ROLLER T ASSY
14	2-640-315-01	o	SCREW (M 2X5), SMALL, +P, SW
15	3-303-961-01	s	WASHER, POLY
16	3-303-961-11	s	WASHER, POLY
17	3-491-360-00	s	SPRING, TENSION
18	3-559-408-11	s	WASHER, POLYETHYLENE, DIA.1.2
19	3-679-729-02	s	FLANGE, UPPER
20	3-679-739-03	o	RAIL, S
21	3-679-765-01	s	BRAKE, S SOFT
22	3-679-777-04	o	GEAR, ARM, DRAWER
23	3-680-230-01	s	FLANGE, UNDER
24	3-680-240-03	o	HOLDER HN
25	3-680-267-01	o	BLACKET BAND
26	3-682-246-02	s	SPRING, EXTENSION
27	3-682-247-01	o	RETAINER, BASE
28	3-697-128-02	o	GUIDE PROTECTOR ,CASSETTE
29	3-716-167-01	s	SPRING, COMPRESSION
30	3-729-011-01	s	SPRING, COMPRESSION
31	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)

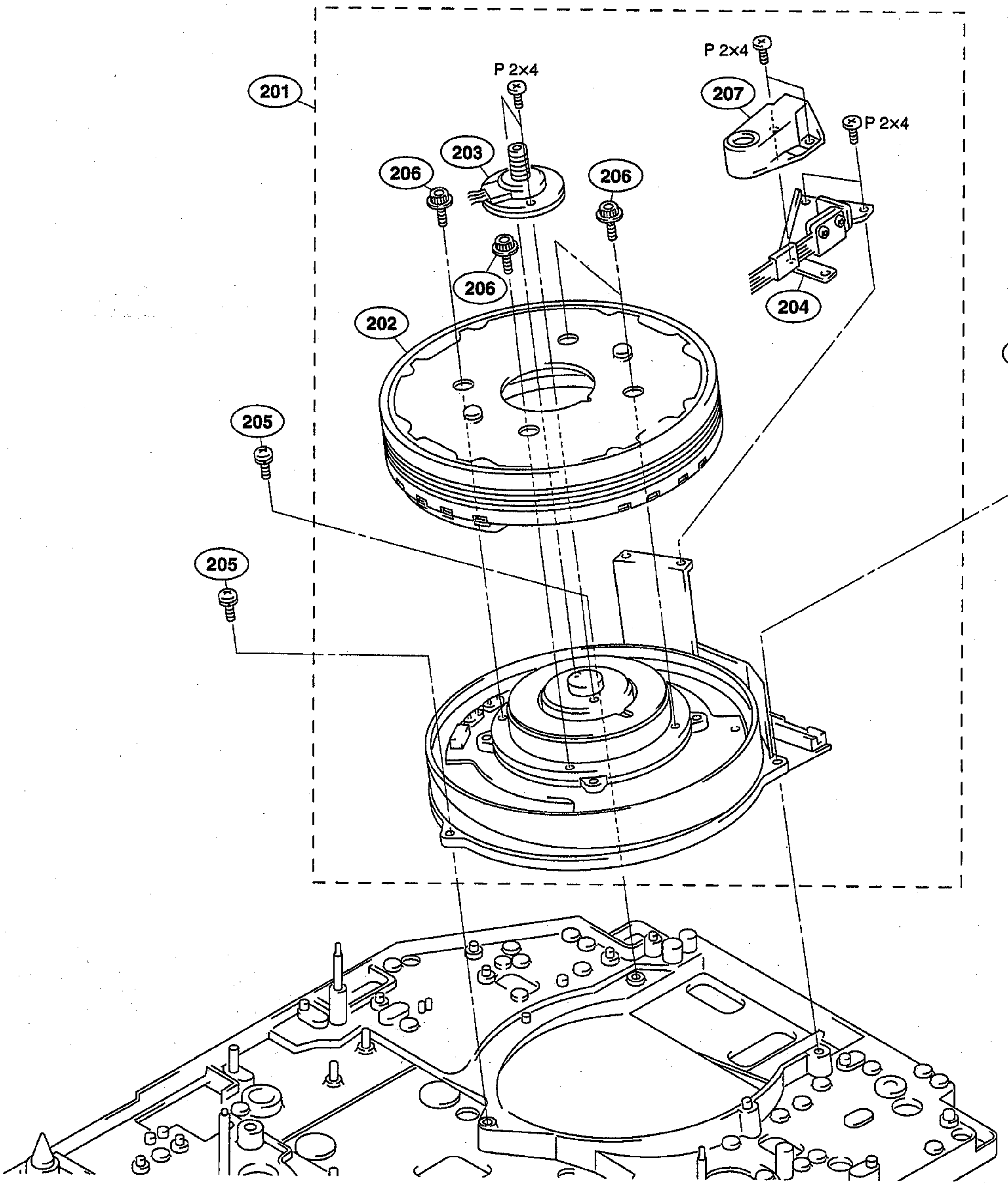
T Side Reel Chassis


101
SET SCREW
HEXAGON 2×2.5
(FLAT POINT)
131
108
130
135
136
136
136
122
116
124
104
136
117
115
129
E1.2
136
127
122
103
126
122
136
122
119
133
132
*2
113
121
106
110
132
107
114
122
118
122
119
111
122
122
112
*1
102
136
134
122
122
105
125
118
122
109
128
122
*1
120
*2
123

T Side Reel Chassis

No.	Part No.	SP	Description
101	A-8278-031-J	s	SLIDER ASSY, T
102	A-8278-033-D	o	CATCHER T ASSY
103	A-8278-034-F	o	GEAR ASSY
104	A-8278-048-F	s	PINCH ASSY
105	A-8278-352-A	s	IDLER ASSY, T
106	X-3678-065-2	s	GEAR ASSY
107	X-3678-066-1	s	PULLEY ASSY, RELAY
108	X-3678-091-3	s	ROLLER ASSY
109	X-3678-096-4	s	BRAKE ASSY, T SOFT
110	X-3678-097-7	s	TABLE ASSY, T REEL
111	X-3678-099-2	o	LEVER ASSY, RELEASE
112	X-3678-108-2	o	LEVER ASSY, RELEASE,BRAKE
113	X-3678-110-4	o	LINK ASSY, CUE
114	X-3678-113-3	o	GEAR ASSY, CAM
115	X-3678-122-9	o	GEAR ASSY, THREADING T
116	X-3678-136-2	s	LINK ASSY STOPPER
117	X-3678-926-1	s	PINCH ROLLER ASSY
118	3-303-961-01	s	WASHER, POLY 2MM DIA.0.13T
119	3-303-961-11	s	WASHER, POLY 2MM DIA.0.25T
120	3-424-031-00	s	SPRING, RECORD SLIDER
121	3-542-649-00	s	SPRING, TENSION
122	3-559-408-11	s	WASHER, POLYETHYLENE, DIA.1.2
123	3-679-719-01	s	BRAKE, MAIN
124	3-679-740-04	o	RAIL, T
125	3-679-763-01	o	GEAR, MIDWAY
126	3-679-764-01	o	GEAR, MIDWAY,ST DRIVING
127	3-679-779-04	o	GEAR, ST DRIVING
128	3-679-780-01	o	GEAR, INTERMITTENT
129	3-680-286-02	s	SPRING, EXTENSION
130	3-682-273-01	s	FLANGE, UNDER, T2
131	3-682-274-01	s	FLANGE, UPPER, T2
132	3-683-340-01	o	ROLLER A
133	3-701-437-11	s	WASHER
134	3-716-167-01	s	SPRING, COMPRESSION
135	3-729-011-01	s	SPRING, COMPRESSION
136	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)

Drum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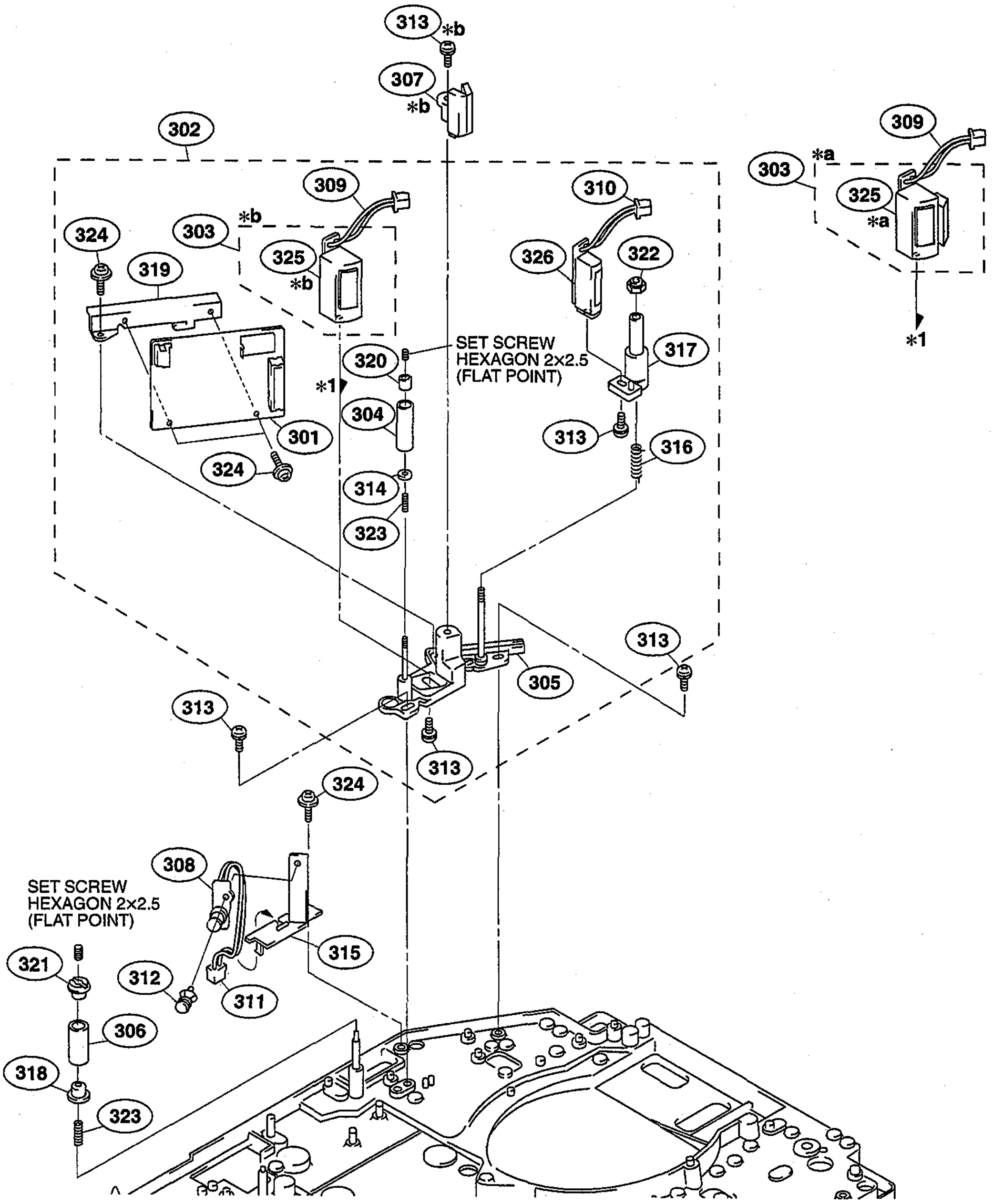
No.	Part No.	SP	Description
201	A-8263-628-A	s	DRUM ASSY, DJH-09A-R (for NTSC)
	A-8263-623-A	s	DRUM ASSY, DJH-10A-R (for PAL)
202	A-8263-641-A	s	UPPER DRUM ASSY, DJR-09-R (for NTSC)
	A-8263-624-A	s	UPPER DRUM ASSY, DJR-10-R (for PAL)
203	A-8263-855-A	s	RING ASSY, (RP) SLIP
204	A-8263-856-A	s	BRUSH ASSY (RP)
205	2-640-315-01	o	SCREW (M2X5), SMALL, +P, SW
206	3-185-531-01	s	BOLT M2X8, W HEXAGON
207	3-185-532-01	o	COVER, BRUSH

CTL and Erase Heads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*a
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*b
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325
*b
326
322
SET SCREW
HEXAGON 2×2.5
(FLAT POINT)
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313
324
308
SET SCREW
HEXAGON 2×2.5
(FLAT POINT)
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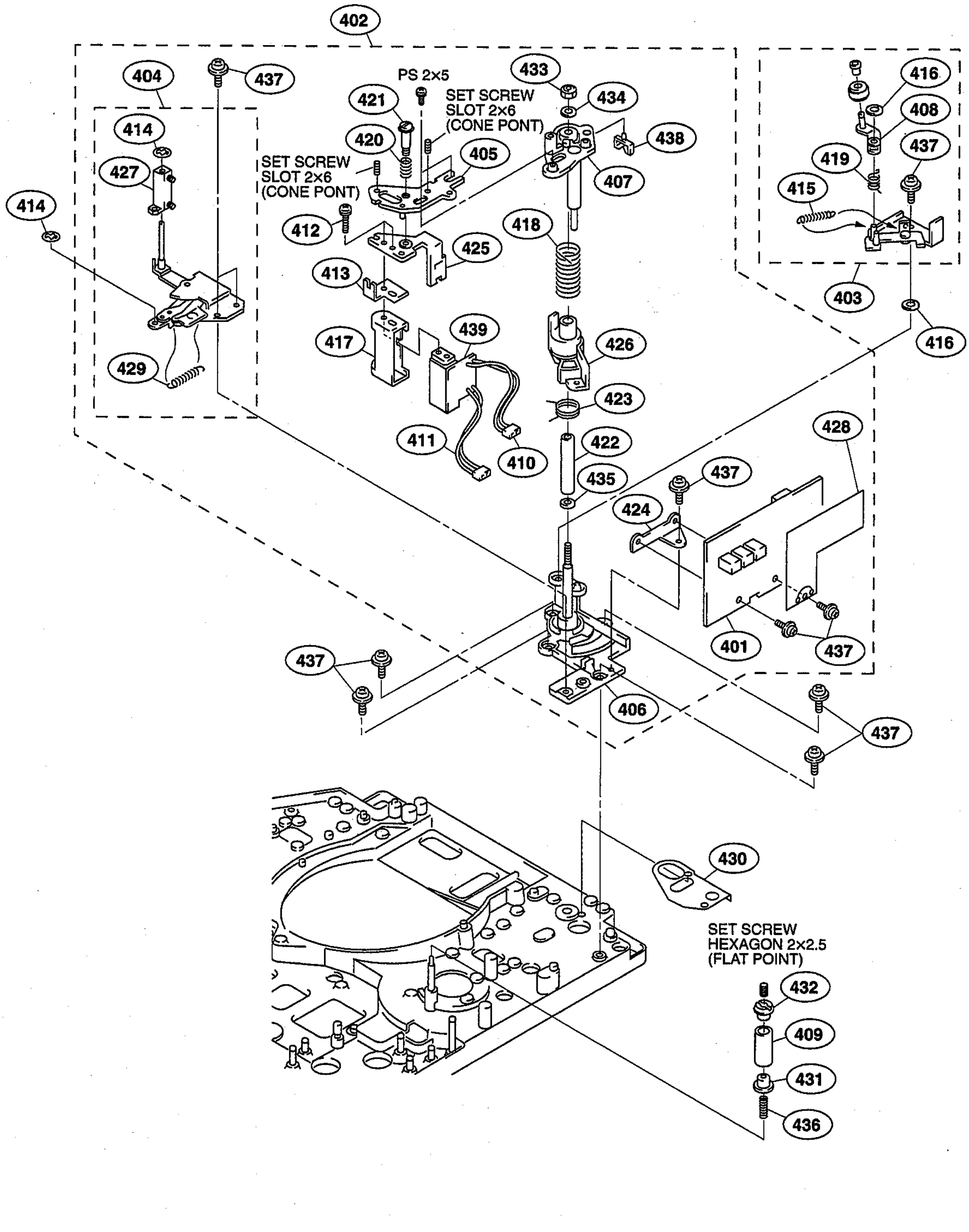
CTL and Erase Heads

Note
*a: Serial No.10056 and higher (DVW-707:SY)
Serial No.30011 and higher (DVW-707/709WS/790WS:J)
Serial No.10126 and higher (DVW-709WS:SY)
Serial No.10161 and higher (DVW-790WS:SY)
Serial No.40191 and higher (DVW-707P)
Serial No.40256 and higher (DVW-709WSP)
Serial No.40511 and higher (DVW-790WSP)
*b: Serial No.10001 through 10055 (DVW-707:SY)
Serial No.30001 through 30010 (DVW-707/709WS/790WS:J)
Serial No.10001 through 10125 (DVW-709WS:SY)
Serial No.10001 through 10160 (DVW-790WS:SY)
Serial No.40001 through 40190 (DVW-707P)
Serial No.40001 through 40255 (DVW-709WSP)
Serial No.40016 through 40510 (DVW-790WSP)

No.	Part No.	SP	Description
301	A-8263-156-A	o	MOUNTED CIRCUIT BOARD, CTL-10
302	A-8263-200-J	o	HEAD ASSY, ENTRANCE
303 *a	X-3605-885-1	s	HEAD ASSY (FE-291-21A)
*b	A-8321-048-A	s	HEAD ASSY, ERASE
304	X-3678-068-2	s	ROLLER ASSY, RESIN
305	X-3678-118-2	o	BASE ASSY, CTL FE
306	X-3678-129-2	s	ROLLER (2) ASSY, RESIN
307 *b	X-3678-142-1	o	CLEANER ASSY, TAPE
308	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
309	1-953-411-11	o	HARNESS, SUB (FE-HEAD)
310	1-953-412-11	o	HARNESS, SUB (CTL-HEAD)
311	1-953-414-11	o	HARNESS, SUB (END-SE3)
312	2-279-715-11	s	RIVET, NYLON
313 *b	2-640-315-01	o	SCREW (M2X5), SMALL, +P, SW
314	3-557-565-00	s	WASHER, 1.4 DAI, SMALL
315	3-679-790-02	o	HOLDER, END SENSOR
316	3-680-043-02	s	SPRING, CTL
317	3-680-044-02	o	BRACKET, CTL
318	3-680-230-01	s	FLANGE, UNDER
319	3-680-231-02	o	HOLDER, PB
320	3-681-768-01	o	NUT, S3
321	3-683-026-01	s	FLANGE, UPPER
322	3-698-829-01	s	NUT (M2)
323	3-729-011-01	s	SPRING, COMPRESSION
324	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)
325 *b	8-825-772-63	s	HEAD, ERASE EF291-21A
326	8-825-779-72	s	CTL HEAD, PS244-21D

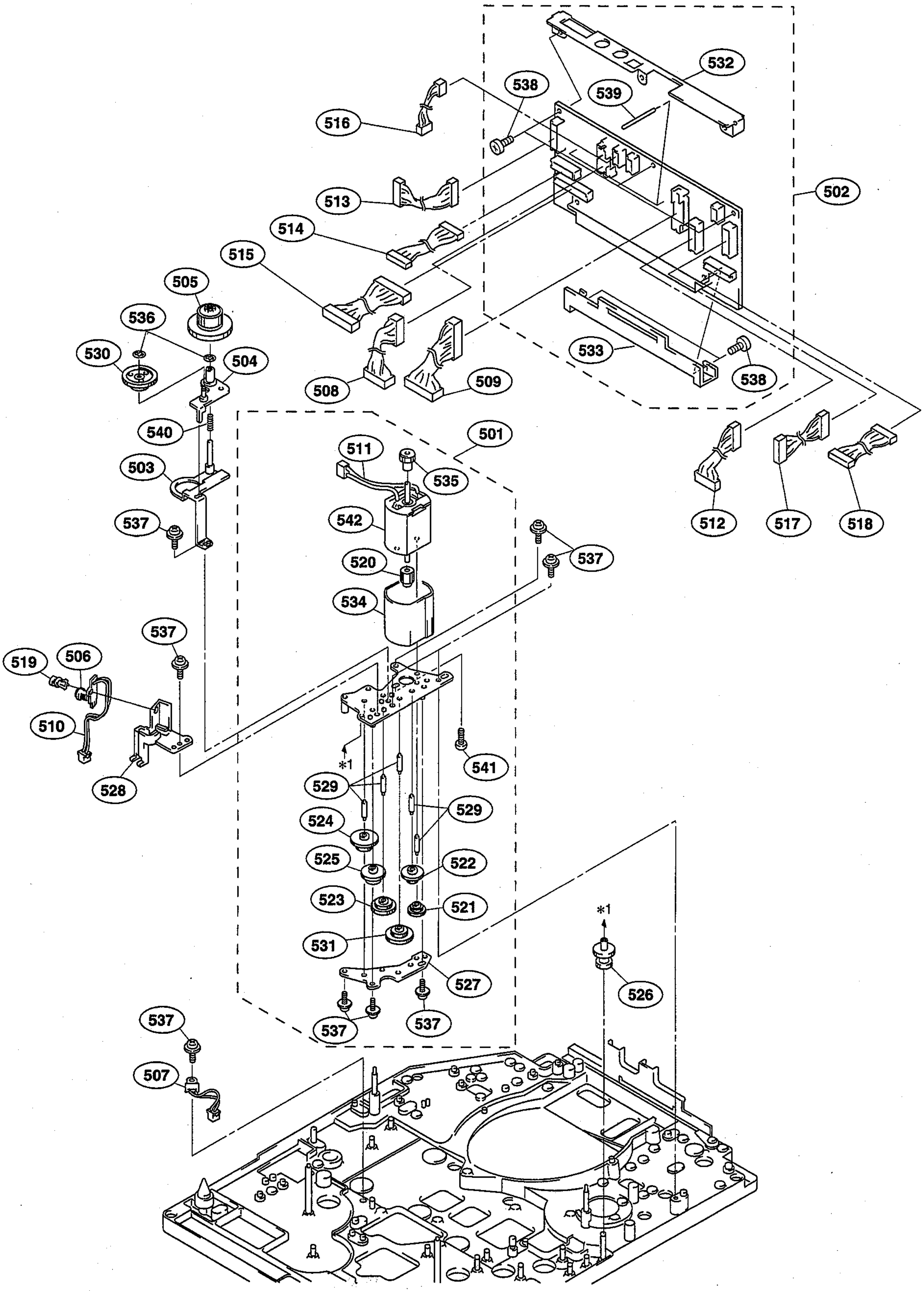
AU Head


PS 2×5
SET SCREW
SLOT 2×6
(CONE PONT)
SET SCREW
SLOT 2×6
(CONE PONT)
SET SCREW
HEXAGON 2×2.5
(FLAT POINT)

AU Head

No.	Part No.	SP	Description
401	A-8263-157-A	o	MOUNTED CIRCUIT BOARD, CUE-2
402	A-8263-201-B	o	HEAD ASSY, CUE
403	A-8278-044-J	s	CLEANER ASSY, VH
404	A-8278-052-E	o	CLEANER ASSY, CUE
405	X-3678-094-1	o	PLATE ASSY, CUE HEAD
406	X-3678-095-2	o	PLATE ASSY, BASE CUE/TC
407	X-3678-112-1	o	PLATE ASSY, CUE/TC ADJUSTMENT
408	X-3678-116-3	o	ARM ASSY, CL
409	X-3678-156-2	s	ROLLER T ASSY
410	1-953-413-11	o	HARNESS, SUB (CUE HEAD-CUE2)
411	1-953-417-11	o	HARNESS, SUB (TC HEAD-HN12)
412	2-640-315-01	o	SCREW (M2X5), SMALL, +P, SW
413	3-171-570-01	o	PLATE (R), ADJUSTMENT
414	3-321-393-01	s	WASHER, STOPPER
415	3-337-020-01	s	SPRING, TENSION
416	3-559-408-11	s	WASHER, POLYETHYLENE, DIA.1.2
417	3-679-788-01	o	CASE, SHIELD
418	3-680-005-01	o	SPRING, CUE/TC
419	3-680-009-02	o	SPRING, TORSION
420	3-680-222-01	s	SPRING, COMPRESSION
421	3-680-223-01	s	SHAFT
422	3-680-225-01	o	SLEEVE, SHAFT,MAIN,CUE/TC
423	3-680-233-01	o	SPRING, RTN
424	3-680-234-01	o	HOLDER, PB
425	3-680-259-01	o	BRACKET, CUE/TC
426	3-680-262-02	o	PLATE, SWING, CUE/TC
427	3-681-778-02	s	BRUSH, CUE
428	3-682-275-02	o	SEET, INSULATING
429	3-682-787-01	s	SPRING, EXTENSION
430	3-683-342-01	o	PROTECTOR
431	3-686-173-01	s	FLANGE,UNDER (T3)
432	3-686-174-01	s	FULANGE,UPPER (T3)
433	3-698-829-01	s	NUT (M2)
434	3-701-437-11	s	WASHER, POLY 2MM DIA.0.25T
435	3-701-439-11	s	WASHER, POLY 3MM DIA.0.25T
436	3-729-011-01	s	SPRING, COMPRESSION
437	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)
438	3-906-254-01	o	CLAMP
439	8-825-779-61	s	HEAD, AU PS244-2103L

Gear and Manual Eject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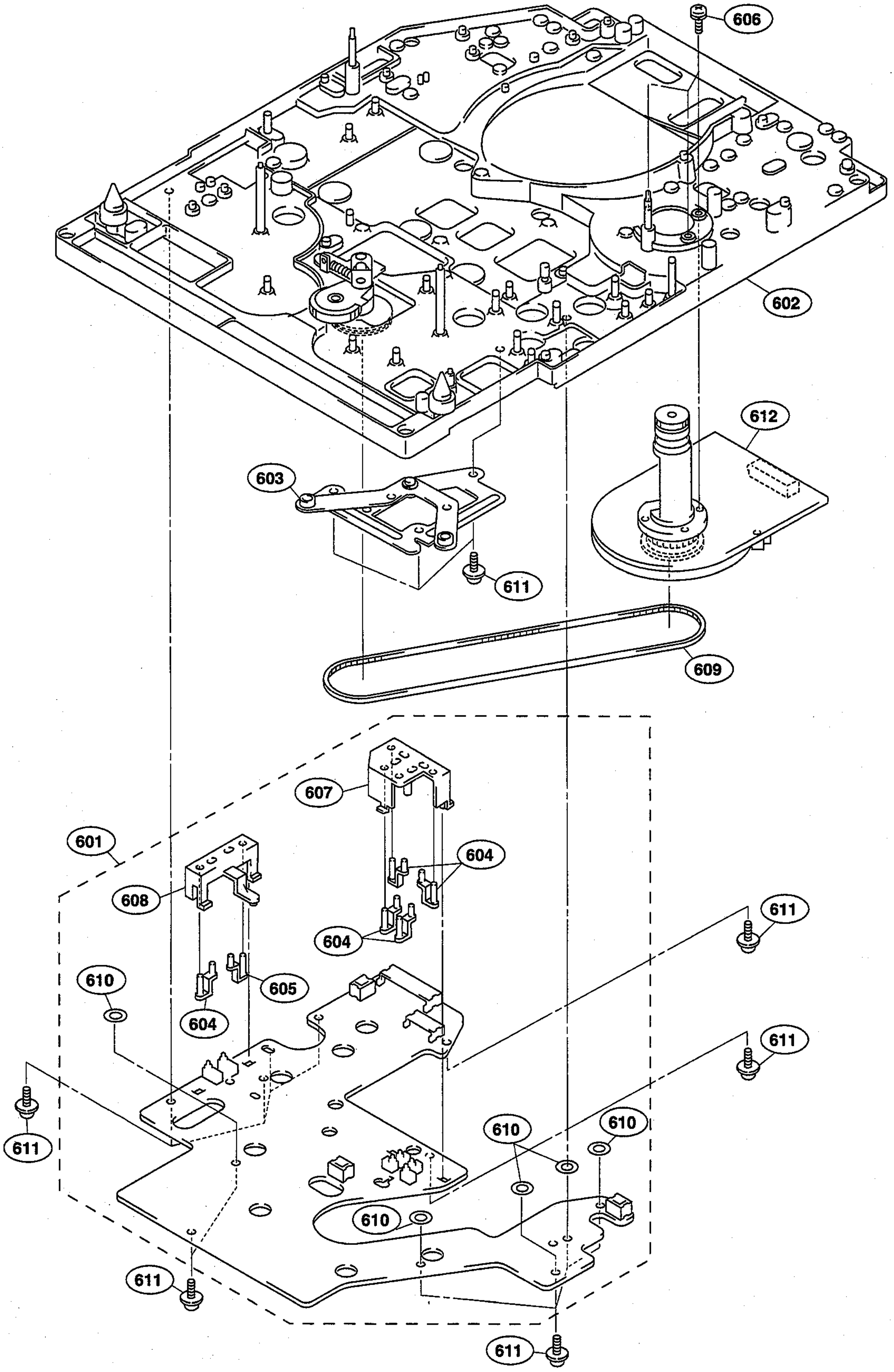
Gear and Manual Eject

No.	Part No.	SP	Description
501	A-8278-035-D	s	GEAR BLOCK ASSY
502	A-8321-453-A	o	MOUNTED CIRCUIT BOARD, HN-260
503	X-3678-115-3	o	BASE ASSY, MANUAL EJECT
504	X-3678-120-1	o	BASE ASSY, GEAR, IDOL
505	X-3678-130-2	o	GEAR, MANUAL, DRIVING
506	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
507	1-810-599-11	s	SENSOR, DEW CONDENSATION
508	1-953-408-12	o	HARNESS, SUB (DR2-HN1)
509	1-953-409-13	o	HARNESS, SUB (DR1-HN2)
510	1-953-415-11	o	HARNESS, SUB (TOP-SE4)
511	1-953-416-11	o	HARNESS, SUB (TM-CUE3)
512	1-953-420-12	o	HARNESS, SUB (DR3-HN10)
513	1-953-423-11	o	HARNESS, SUB (CTL1-HN4)
514	1-953-424-11	o	HARNESS, SUB (SE2-HN5)
515	1-953-425-11	o	HARNESS, SUB (SE1-HN6)
516	1-953-426-11	o	HARNESS, SUB (SR1-HN8)
517	1-953-427-11	o	HARNESS, SUB (CUE1-HN11)
518	1-953-435-11	o	HARNESS, SUB (CAP-HN14)
519	2-279-715-11	s	RIVET, NYLON
520	3-679-748-01	s	PINION
521	3-679-749-01	o	GEAR (A)
522	3-679-750-01	o	GEAR (B)
523	3-679-751-01	o	GEAR (D)
524	3-679-752-01	o	GEAR (E)
525	3-679-753-01	o	GEAR (F)
526	3-679-762-01	o	GEAR, JOINT
527	3-679-796-01	o	PLATE (A), BLOCK,GEAR
528	3-679-797-02	o	HOLDER, TOP SENSOR
529	3-679-799-01	o	SHAFT, GEAR
530	3-680-059-02	o	GEAR, IDOL
531	3-680-263-01	o	GEAR (C)
532	3-680-270-01	o	PLATE (HN-189), ORNAMENTAL
533	3-680-489-02	o	BRACKET, HN
534	3-680-914-01	o	CASE, SHIELD
535	3-680-988-01	s	PINION B
536	3-726-829-01	s	WASHER, STOPPER
537	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)
538	3-729-061-01	s	SCREW (M2) (TYPE 1)
539	4-352-844-01	o	PIN, LEAD, COATING
540	4-945-386-01	s	SPRING, COMPRESSION
541	7-627-552-28	s	SCREW, PRECISION +P1.7X2
542	8-835-440-01	s	MOTOR DN20-Q7Z1B

Belt and Capstan Motor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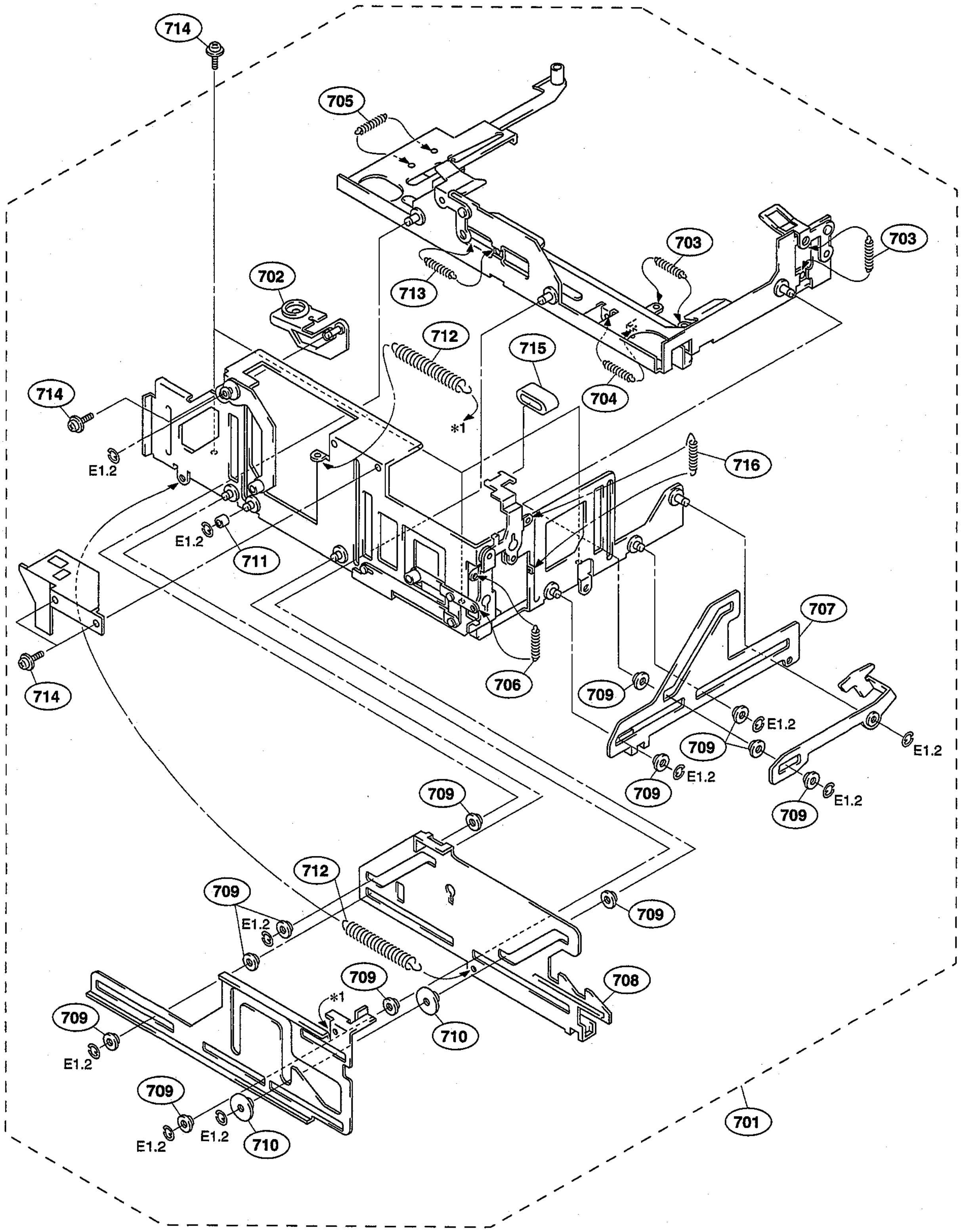
No.	Part No.	SP	Description
601	A-8310-898-B	o	MOUNTED CIRCUIT BOARD, SE-275
602	X-3605-880-1	o	CHASSIS ASSY, MECHA
603	X-3678-117-1	o	ARM ASSY, JOINT
604	X-3678-171-1	o	PIN ASSY, DETECTION
605	X-3679-461-1	o	PIN ASSY (REC), DETECTION
606	2-640-315-01	o	SCREW (M2X5), SMALL, +P, SW
607	3-679-714-02	o	HOLDER, SENSOR(A)
608	3-679-715-01	o	HOLDER, SENSOR(B)
609	3-679-723-01	s	BELT, TIMING
610	3-687-087-01	o	WASHER
611	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)
612	8-835-534-01	s	MOTOR, DC SCV-0702A/J-N

Cassette Compartment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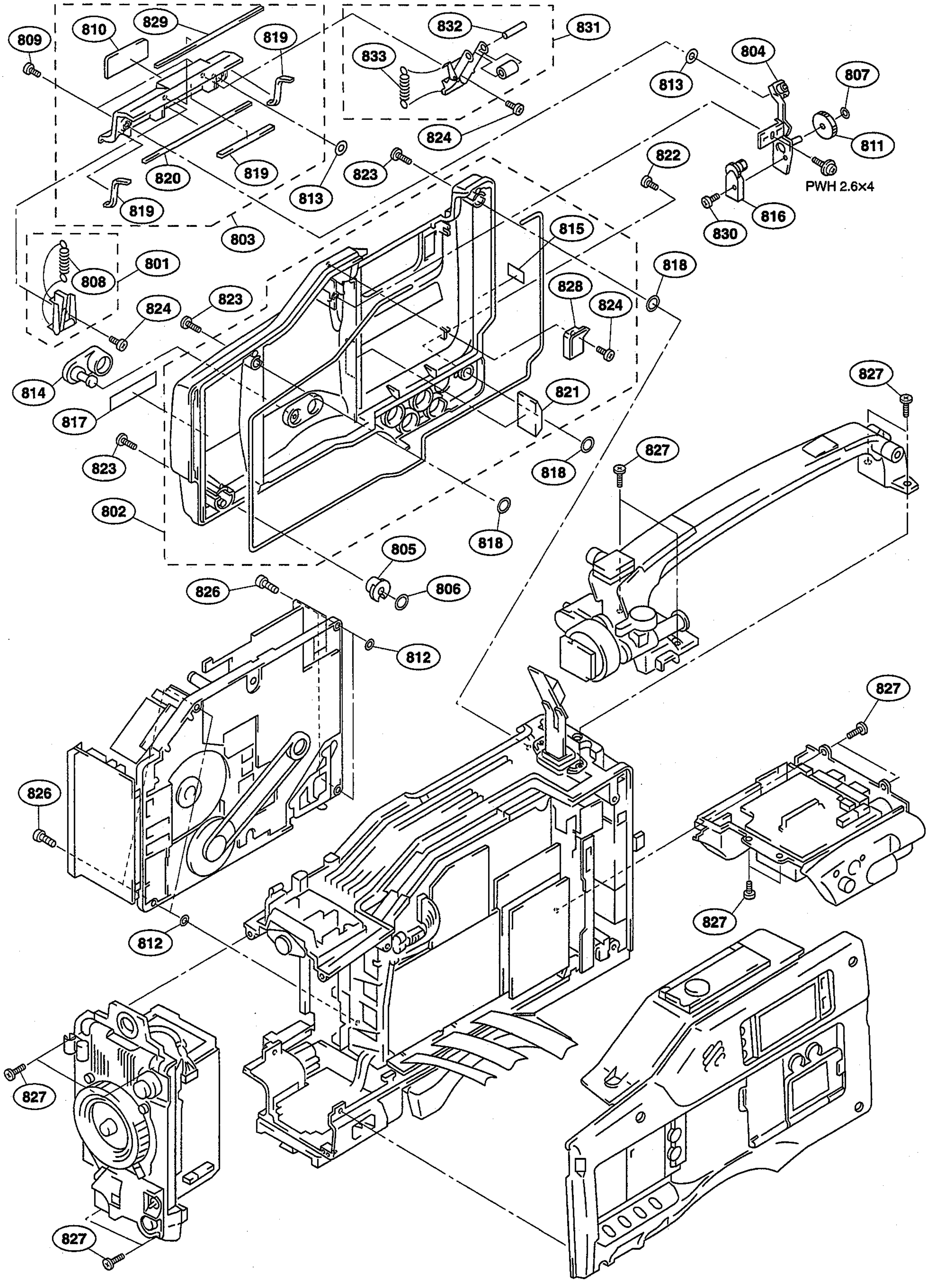
No.	Part No.	SP	Description
701	A-8265-493-L	s	CASSETTE COMPARTMENT ASSY
702	X-3678-080-5	o	ARM(L) ASSY, LID
703	3-319-686-01	s	SPRING, TENSION
704	3-329-998-01	s	SPRING, TENSION
705	3-343-503-01	s	SPRING, TENSION
706	3-571-829-00	s	SPRING, TENSION
707	3-612-386-01	o	PLATE(A), CAM
708	3-612-387-02	o	PLATE(B), CAM
709	3-680-032-01	o	ROLLER (A)
710	3-680-081-01	o	ROLLER (B)
711	3-680-258-01	o	ROLLER SOPPER
712	3-680-995-01	o	SPRING, EXTENSION
713	3-686-886-01	s	SPRING, TENSION
714	3-729-013-21	s	SCREW (M1.4X2.5), WASHERHEAD (+P)
715	3-624-199-01	s	RUBBER, BRAKE (EPDM)
716	4-606-897-01	s	SPRING, TENSION

Outside Panel and Main Block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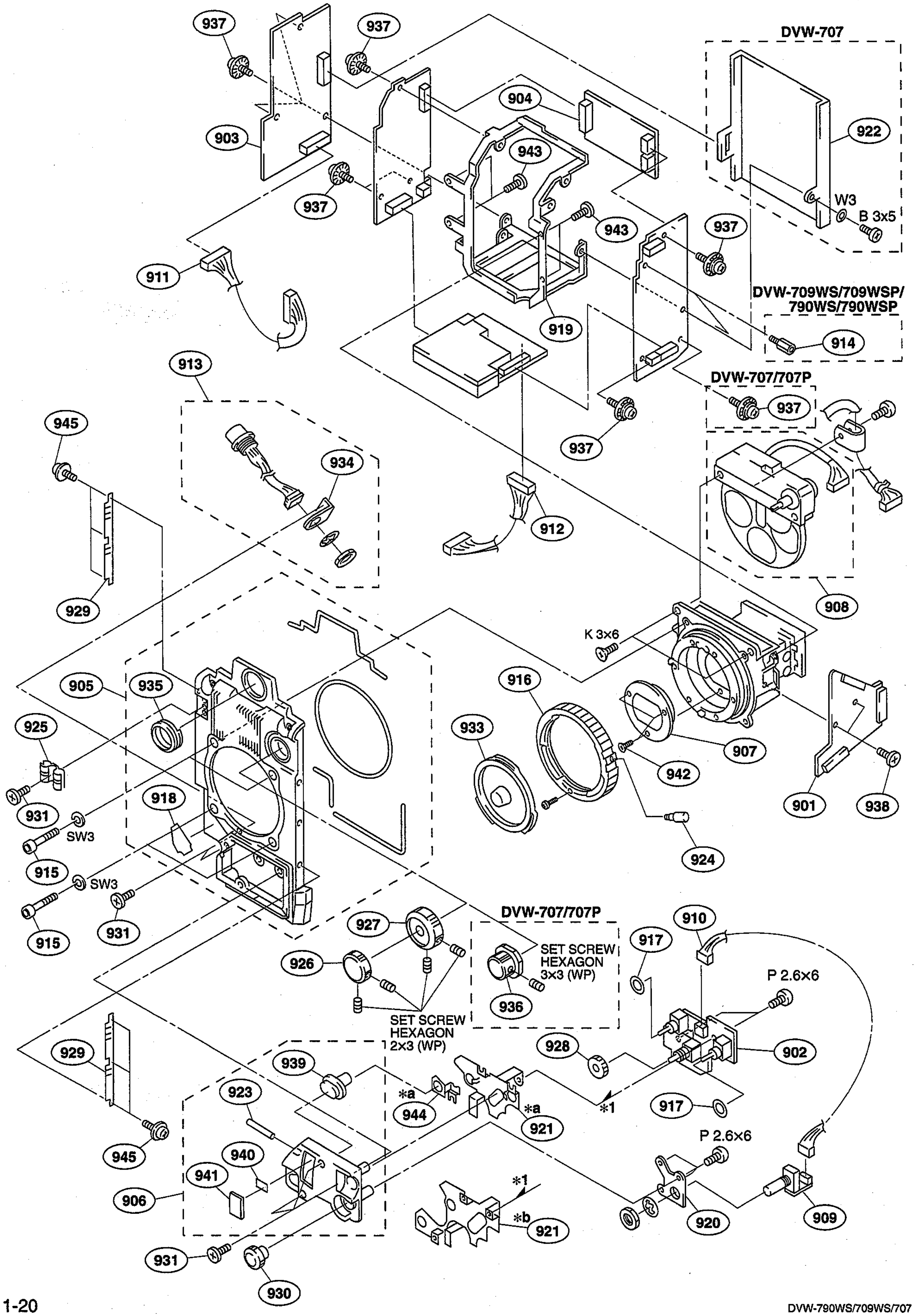
No.	Part No.	SP	Description
801	A-8278-840-B	s	CASSETTE RETAINER ASSY
802	X-3605-335-4	o	PANEL SUB ASSY, OUT SIDE
803	X-3605-336-5	o	LID SUB ASSY, FRONT
804	X-3679-528-4	o	ARM ASSY, LID
805	3-188-150-01	o	SUPPORT, SCREW
806	3-188-151-01	o	O RING (DIA 1)
807	3-315-384-31	s	WASHER, STOPPER
808	3-329-998-01	s	SPRING, TENSION
809	3-622-751-01	s	STAINLESS SCREW +B3X8
810	3-603-755-01	o	WINDOW (U), CASSETTE
811	3-611-654-01	o	GEAR, MIDWAY
812	3-669-465-01	s	WASHER (1.5), STOPPER
813	3-669-596-00	s	WASHER (2.3), STOPPER
814	3-679-711-01	o	COVER, ME
815	3-681-017-01	o	LABEL
816	3-681-528-11	s	DAMPER
817	3-681-884-02	o	LABEL, WS (790WS/790WSP)
818	3-682-791-01	s	RING O
819	3-683-023-01	s	RUBBER A, DROP PROTECTION (LID)
820	3-683-025-01	s	RUBBER B, DROP PROTECTION (LID)
821	3-683-035-01	o	PLATE GUIDE, CASSETTE
822	3-687-046-01	s	STAINLESS SCREW, +B4X10
823	3-687-048-01	s	STAINLESS SCREW, +B4X20
824	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
826	3-729-084-41	s	BOLT (M2X8), HEXAGON HOLE
827	3-742-074-12	s	SCREW (+B3X8)
828	3-611-304-01	o	GUIDE, CASSETTE IN
829	3-604-823-02	s	RUBBER, DROP PROTECTION (LID)
830	3-203-203-01	s	SCREW (2X7), DAMPER (+PSW)
831	A-8279-344-A	s	ARM ASSY, CASSETTE, LOCK
832	3-661-278-01	s	PIN, PARALLEL
833	3-949-973-01	s	SPRING, TENSION

CCD Block and Front Panel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DVW-707
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790WS/790WSP
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DVW-707/707P
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SET SCREW
HEXAGON
3x3 (WP)
P 2.6×6
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SET SCREW
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2x3 (WP)
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P 2.6×6
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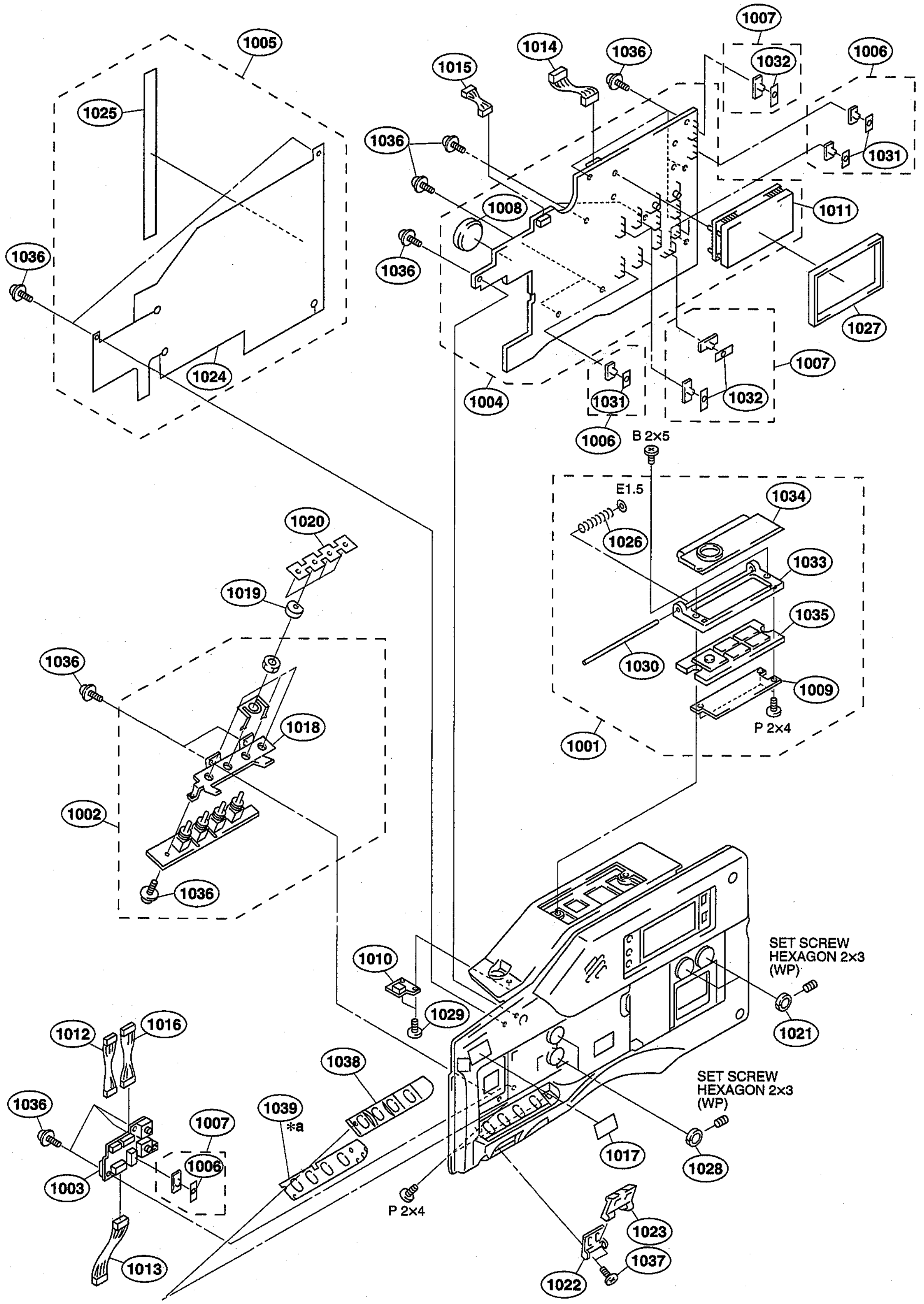
*a: Serial No.10046 and higher (DVW-707:SY)
Serial No.30006 and higher (DVW-707/709WS/790WS:J)
Serial No.10066 and higher (DVW-709WS:SY)
Serial No.10056 and higher (DVW-790WS:SY)
Serial No.40101 and higher (DVW-707P)
Serial No.40141 and higher (DVW-709WSP)
Serial No.40156 and higher (DVW-790WSP)
*b: Serial No.10001 through 10045 (DVW-707:SY)
Serial No.30001 through 30005 (DVW-707/709WS/790WS:J)
Serial No.10001 through 10065 (DVW-709WS:SY)
Serial No.10001 through 10055 (DVW-790WS:SY)
Serial No.40001 through 40100 (DVW-707P)
Serial No.40001 through 40140 (DVW-709WSP)
Serial No.40001 through 40155 (DVW-790WSP)

No.	Part No.	SP	Description
901	A-8277-768-A	o	MOUNTED CIRCUIT BOARD, CN-1183
902	1-672-907-11	o	PRINTED CIRCUIT BOARD, SW-971
903	A-8321-491-A	o	MOUNTED CIRCUIT BOARD, VA-191
904	A-8321-492-A	o	MOUNTED CIRCUIT BOARD, TG-207 (DVW-790WS/709WS)
	A-8321-509-A	o	MOUNTED CIRCUIT BOARD, TG-207P (DVW-790WSP/709WSP)
	A-8321-731-A	o	MOUNTED CIRCUIT BOARD, TG-206 (DVW-707)
	A-8321-732-A	o	MOUNTED CIRCUIT BOARD, TG-206P (DVW-707P)
905	X-3605-332-3	o	FRAME SUB ASSY, FRONT
906	X-3605-333-1	o	SWITCH COVER ASSY SUB, FRONT
907	1-467-820-21	o	FILTER UNIT, OPTICAL (DVW-790WS/709WS)
	1-467-820-11	o	FILTER UNIT, OPTICAL (DVW-790WSP/709WSP)
	1-547-559-31	o	FILTER UNIT, OPTICAL (DVW-707)
	1-547-259-11	o	FILTER UNIT, OPTICAL (DVW-707P)
908	1-475-492-11	o	DISK UNIT, FLITER (DVW-790WS/790WSP/709WS/709WSP)
909	1-672-908-11	o	PRINTED CIRCUIT BOARD, SW-983
910	1-959-372-11	o	HARNESS, SUB (SW971-SW983)
911	1-959-384-12	o	HARNESS, SUB (VA-DCP17)
912	1-959-386-11	o	HRANESS, SUB (BC-DCP17)
913	1-959-401-11	o	HARNESS (LENS)
914	2-270-601-00	o	SUPPORT
915	2-623-773-11	s	BOLT (M3X8), STAINLESS
916	3-186-442-01	o	RING, MOUNT
917	3-312-823-00	s	PACKING, KNOB
918	3-603-614-01	o	PLATE, PROTECTION
919	3-616-675-01	o	STAY, CHB
920	3-616-722-01	o	BRACKET, R-E FITTING
921 *a	3-616-723-02	o	PLATE,FRONT SHIELD
*b	3-616-723-01	o	PLATE,FRONT SHIELD
922	3-622-409-01	o	PLATE (TG), SHIELD
923	3-649-266-01	o	PIN, PARALLEL
924	3-678-629-00	s	LEVER, MOUNT
925	3-679-659-03	o	CLAMP, CABLE
926	3-679-670-03	s	KNOB, FILTER(ND) (DVW-790WS/790WSP/709WS/709WSP)
927	3-679-671-02	s	KNOB, FILTER(CC) (DVW-790WS/790WSP/709WS/709WSP)
928	3-679-679-03	s	KNOB, VR(AUDIO)
929	3-680-483-01	o	FINGER, SHIELD
930	3-692-111-01	s	KNOB, RE
931	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
933	3-699-048-01	s	CAP, MOUNT
934	3-709-105-01	o	BRACKET, LENS
935	3-710-024-01	o	PACKING, VF
936	3-710-054-01	s	KNOB FILTER (DVW-707/707P)
937	3-623-677-01	s	PRECISION SCREW (M1.4X3.5), EXT
938	3-729-061-01	s	SCREW (M2) (TYPE 1)
939	3-729-069-01	s	BUTTON, VTR START
940	3-742-066-01	o	SPRING, SHUTTER
941	3-742-067-04	o	LID, SHUTTER
942	7-627-452-38	s	SCREW, PRECISION +K2X5
943	7-627-554-27	s	SCREW, PRECITION +P2X6 TYPE1
944 *a	3-622-832-01	o	PLATE (2), FRONT SHIELD
945	3-729-013-41	s	SCREW (M1.4X3.5), WASHERHEAD (+P)

Inside panel-1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SET SCREW
HEXAGON 2×3
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P 2×4
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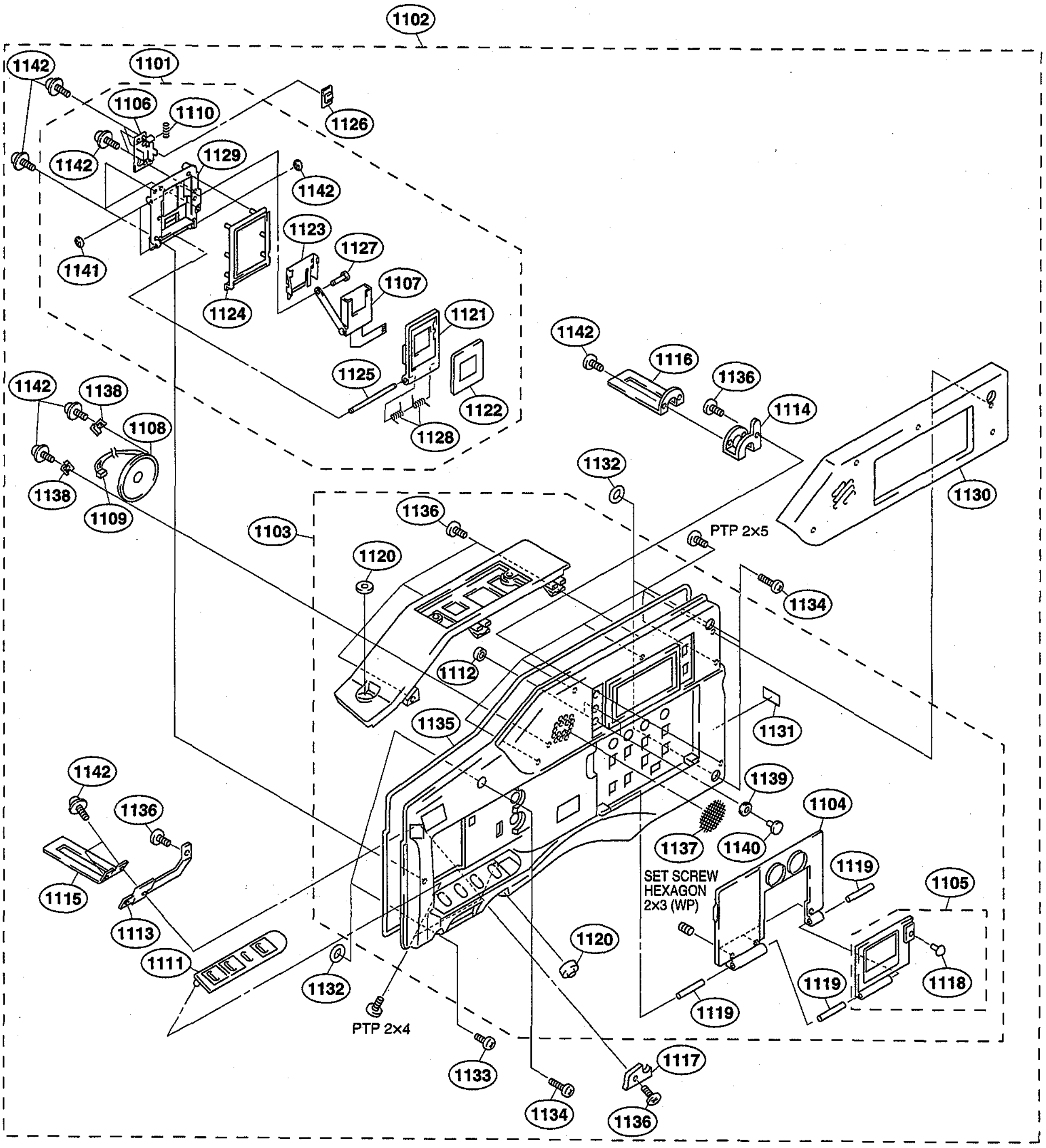
Inside Panel-1

Note
*a: Serial No.10031 through 10055 (DVW-707:SY)
Serial No.30006 through 30015 (DVW-707/709WS/790WS:J)
Serial No.10046 through 10140 (DVW-709WS:SY)
Serial No.10036 through 10190 (DVW-790WS:SY)
Serial No.40071 through 40225 (DVW-707P)
Serial No.40121 through 40345 (DVW-709WSP)
Serial No.40126 through 40610 (DVW-790WSP)

No.	Part No.	SP	Description
1001	A-8316-530-A	s	KEY BOARD ASSY
1002	A-8321-457-A	o	MOUNTED CIRCUIT BOARD, CP-329
1003	A-8321-458-A	o	MOUNTED CIRCUIT BOARD, VR-248
1004	A-8321-470-A	o	MOUNTED CIRCUIT BOARD, TC-101
1005	X-3605-465-5	o	PLATE ASSY, TC SHIELD
1006	X-3678-125-1	s	KNOB (2 POSI) ASSY,SW
1007	X-3678-126-1	s	KNOB (3 POSI) ASSY,SW
1008	1-528-229-11	o	BATTERY, LITHIUM (CR-2450)
1009	1-652-769-12	o	PRINTED CIRCUIT BOARD, KY-293
1010	1-672-900-11	o	PRINTED CIRCUIT BOARD, SW-972
1011	1-810-586-11	s	LCD MODULE
1012	1-959-373-11	o	HARNESS, SUB (VR248-TC101)
1013	1-959-374-11	o	HARNESS, SUB (VR248-CP329)
1014	1-959-376-11	o	HARNESS, SUB (KY293-TC101)
1015	1-959-377-11	o	HARNESS, SUB (SW972-TC101)
1016	1-959-378-11	o	HARNESS, SUB (TC101-VR248)
1017	3-182-055-02	s	LABEL (1), FILTER (DVW-790WS/790WSP/709WS/709WSP)
	3-611-743-01	s	LABEL (3), FILTER (DVW-707/707P)
1018	3-603-713-01	o	HOLDER SWITCH
1019	3-603-761-01	o	DROP PROTECTION (CAM SW)
1020	3-603-767-01	o	BLIND SHEET (CAM SW)
1021	3-611-740-01	o	KNOB (2), VR
1022	3-616-681-02	s	SUPPORT, MENU COVER
1023	3-616-682-02	s	LID, MENU
1024	3-616-687-03	o	PLATE, TC SHIELD
1025	3-617-517-01	o	CUSHION (FAN2)
1026	3-673-281-00	o	SPRING, COMPRESSION
1027	3-680-214-01	o	SPACER LCD
1028	3-680-219-02	s	KNOB, VR
1029	3-701-468-01	s	SCREW (+-2X4), LOCK
1030	3-717-854-01	o	SHAFT, KEY BOARD COVER
1031	3-717-902-21	o	PLATE, ORNAMENTAL
1032	3-717-902-31	o	PLATE, ORNAMENTAL
1033	3-718-042-21	o	FRAME, KEY BOARD
1034	3-718-043-23	o	COVER, KEY BOARD
1035	3-718-044-01	s	COVER, KEY BOARD RUBBER
1036	3-729-013-41	s	SCREW (M1.4X3.5), WASHERHEAD (+P)
1037	3-729-061-01	s	SCREW (M2) (TYPE 1)
1038	3-603-677-01	o	PLATE, ORNAMENTAL SW CAMERA
1039*a	3-622-788-01	o	SHEET, ORNAMENTAL PLATE STICK

Inside Panel-2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1103
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SET SCREW
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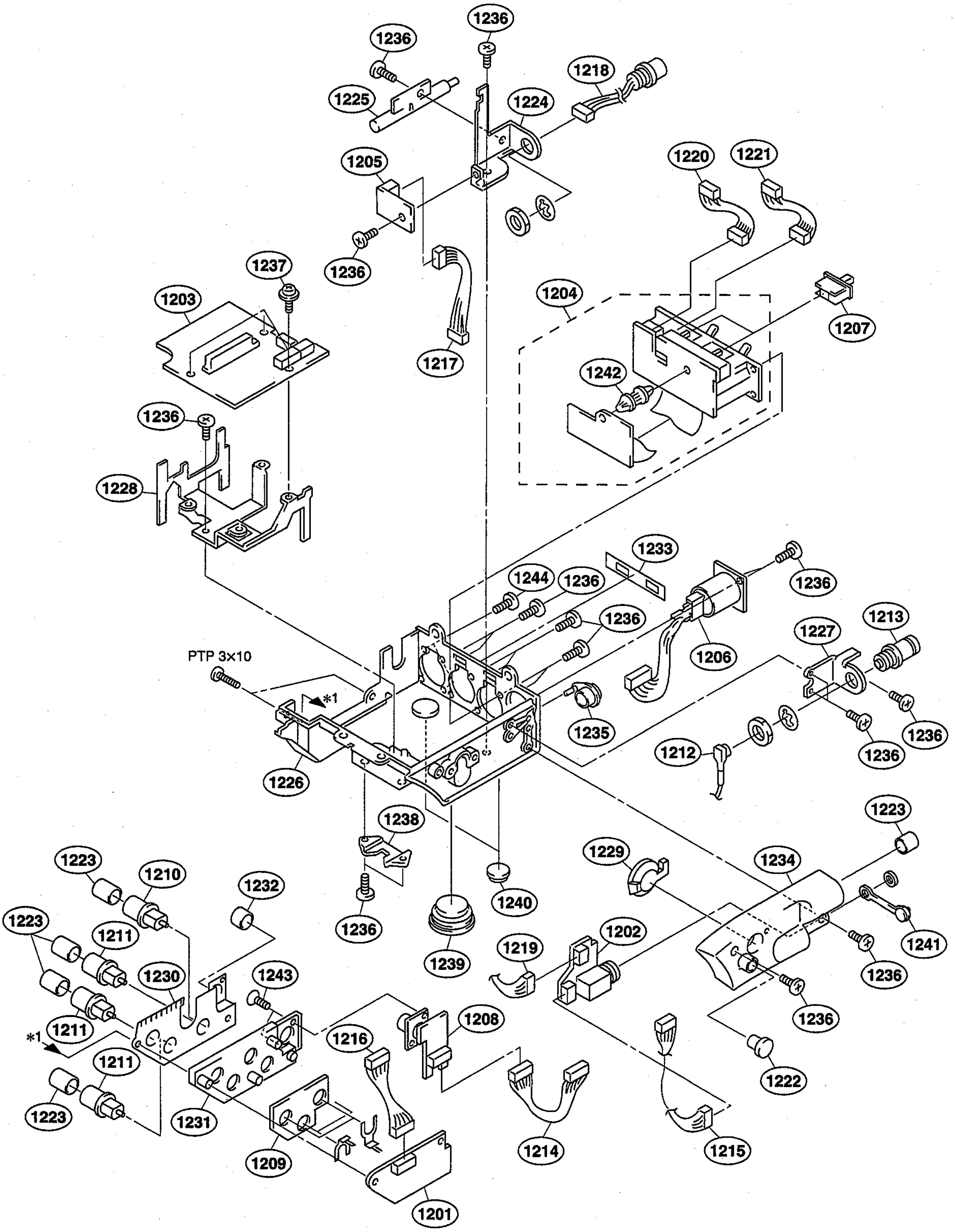
Inside Panel-2

No.	Part No.	SP	Description
1101	A-8263-224-C	o	DOOR ASSY, CARD
1102	A-8321-469-E	o	PANEL SUB (A) ASSY, IN SIDE
1103	X-3605-331-5	o	PANEL SUB ASSY, IN SIDE
1104	X-3605-337-1	o	DOOR(A) ASSY, SW
1105	X-3605-338-1	o	DOOR(B) ASSY, SW
1106	X-3678-063-5	o	BRACKET ASSY, CARD KNOB
1107	X-3678-064-1	s	CONNECTOR ASSY
1108	1-503-293-00	s	SPEAKER
1109	1-953-418-11	o	HARNESS, SUB (TC7-SPK)
1110	3-344-751-01	s	SPRING, COMPRESSION
1111	3-603-677-01	o	PLATE, ORNAMENTAL SW CAMERA
1112	3-608-362-01	s	CLAMP (2), PUSH SW
1113	3-616-696-02	o	BRACKET, HINGE
1114	3-616-698-01	o	BRACKET (2), HINGE
1115	3-616-714-01	s	HINGE (F)
1116	3-616-715-02	s	HINGE (R)
1117	3-616-729-01	o	PLATE, IN SIDE BLIND
1118	3-644-002-00	o	CUSHION, HANDLE
1119	3-649-266-01	o	PIN, PARALLEL
1120	3-676-244-03	s	COVER, SWITCH
1121	3-679-581-02	o	DOOR, CARD
1122	3-679-582-03	o	WINDOW (CARD), DOOR
1123	3-679-583-02	o	HOLDER (CN)
1124	3-679-587-01	s	RUBBER (CARD), DROP PROTECTION
1125	3-679-589-01	o	SHAFT (CARD), DOOR
1126	3-679-590-01	s	KNOB (CARD)
1127	3-679-591-01	o	SHAFT (CARD), LINK
1128	3-679-592-01	o	SPRING (CARD), TORSION
1129	3-679-593-01	o	CARD PANEL
1130	3-680-954-02	s	PAD, SIDE
1131	3-681-017-01	o	LABEL
1132	3-682-791-01	s	RING O
1133	3-687-047-01	s	STAINLESS SCREW, +B4X16
1134	3-687-048-01	s	STAINLESS SCREW, +B4X20
1135	3-692-593-01	o	TUBE, SHIELD
1136	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
1137	3-724-716-02	s	SHEET, DROP PROTECTION
1138	3-724-726-01	o	HOLDER, SPEAKER
1139	3-724-758-02	s	RUBBER (PUSH), DROP PROTECTION
1140	3-724-759-03	s	PUSH (SW)
1141	3-726-829-01	s	WASHER, STOPPER
1142	3-729-013-41	s	SCREW (M1.4X3.5), WASHERHEAD(+P)

Connector Box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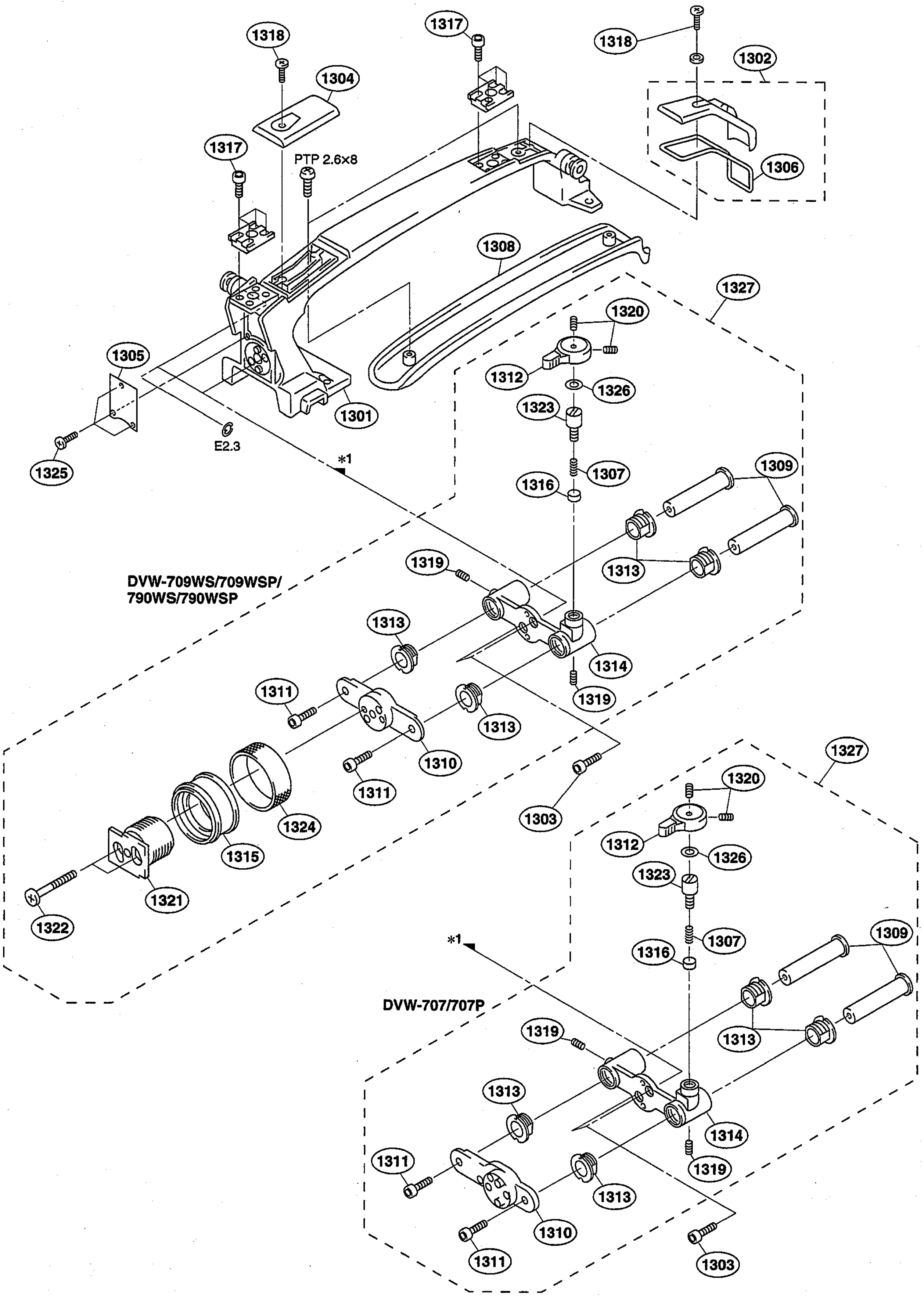
No.	Part No.	SP	Description
1201	A-8321-251-A	o	MOUNTED CIRCUIT BOARD, IO-178
1202	A-8321-459-A	o	MOUNTED CIRCUIT BOARD, HP-93
1203	A-8321-460-A	o	MOUNTED CIRCUIT BOARD, CNB-11 (for SY)
	A-8321-499-A	o	MOUNTED CIRCUIT BOARD, CNB-11B (for J)
1204	A-8321-461-A	o	MOUNTED CIRBUIT BOARD, AXM-21 (for SY)
	A-8321-500-A	o	MOUNTED CIRBUIT BOARD, AXM-21B (for J)
1205	A-8321-462-A	o	MOUNTED CIRCUIT BOARD, LP-111
1206	A-8321-464-A	o	MOUNTED CIRCUIT BOARD, DC-106
1207	X-3678-131-3	s	KNOB(M)ASSY, SW
1208	1-672-906-11	o	PRINTED CIRCUIT BOARD, RM-180
1209	1-672-911-11	o	PRINTED CIRCUIT BOARD, VSE-32
1210	1-766-380-11	s	CONNECTOR, COAXIAL (BNC TYPE)
1211	1-766-381-11	s	CONNECTOR, COAXIAL (BNC TYPE)
1212	1-783-251-11	s	CABLE ASSEMBLY, COAXIAL
1213	1-784-240-11	s	CONVERTER, COAXIAL CONNECTOR
1214	1-959-370-11	o	HARNESS, SUB (RM180-CNB11)
1215	1-959-371-11	o	HARNESS, SUB (HP93-TC101)
1216	1-959-375-11	o	HARNESS, SUB (CNB11-IO178)
1217	1-959-380-11	o	HARNESS, SUB (CNB-LP111)
1218	1-959-381-11	o	HARNESS, SUB (CNB11-DC OUT)
1219	1-959-383-11	o	HARNESS, SUB (CNB11-HP93)
1220	1-959-388-13	o	HARNESS, SUB (AUDIO POWER)
1221	1-959-389-13	o	HARNESS, SUB (AUDIO LINE)
1222	3-426-449-03	s	FOOT, RUBBER
1223	3-604-795-01	s	CAP BNC
1224	3-616-672-03	o	STAY, DC OUT
1225	3-616-673-01	o	PLATE, LIGHT GUIDE
1226	3-616-686-02	o	BOX, CONNECTOR
1227	3-616-725-01	s	HOLDER, BNC
1228	3-616-726-02	o	STAY, CNB
1229	3-616-728-01	o	BLIND, RM
1230	3-616-730-02	o	PLATE, BNC GROUND
1231	3-616-731-01	o	SUPPORT, BNC
1232	3-617-514-01	s	REMOTE CAP
1233	3-680-265-01	o	PLATE ORNAMENTAL AUDIO (UC/EK) (for SY)
	3-680-251-01	o	PLATE ORNAMENTAL AUDIO (for J)
1234	3-680-268-11	o	PANEL, ORNAMENTAL(CB)
1235	3-680-269-01	s	RUBBUR (DO), DROP PROTECTION
1236	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
1237	3-701-468-01	s	SCREW (+-2X4), LOCK
1238	3-711-703-01	o	STOPPER
1239	3-723-096-01	o	OVER, BREAKER
1240	3-723-097-01	o	FOOT, RUBBER
1241	3-849-405-00	s	COVER, EARPHONE JACK
1242	4-622-069-01	s	SUPPORT, MODEM
1243	7-627-454-38	s	SCREW, PRECISION +K2.6X5
1244	7-627-553-18	s	SCREW, PRECISION +P2X2

Handle


PTP 2.6×8
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DVW-709WS/709WSP/
790WS/790WSP
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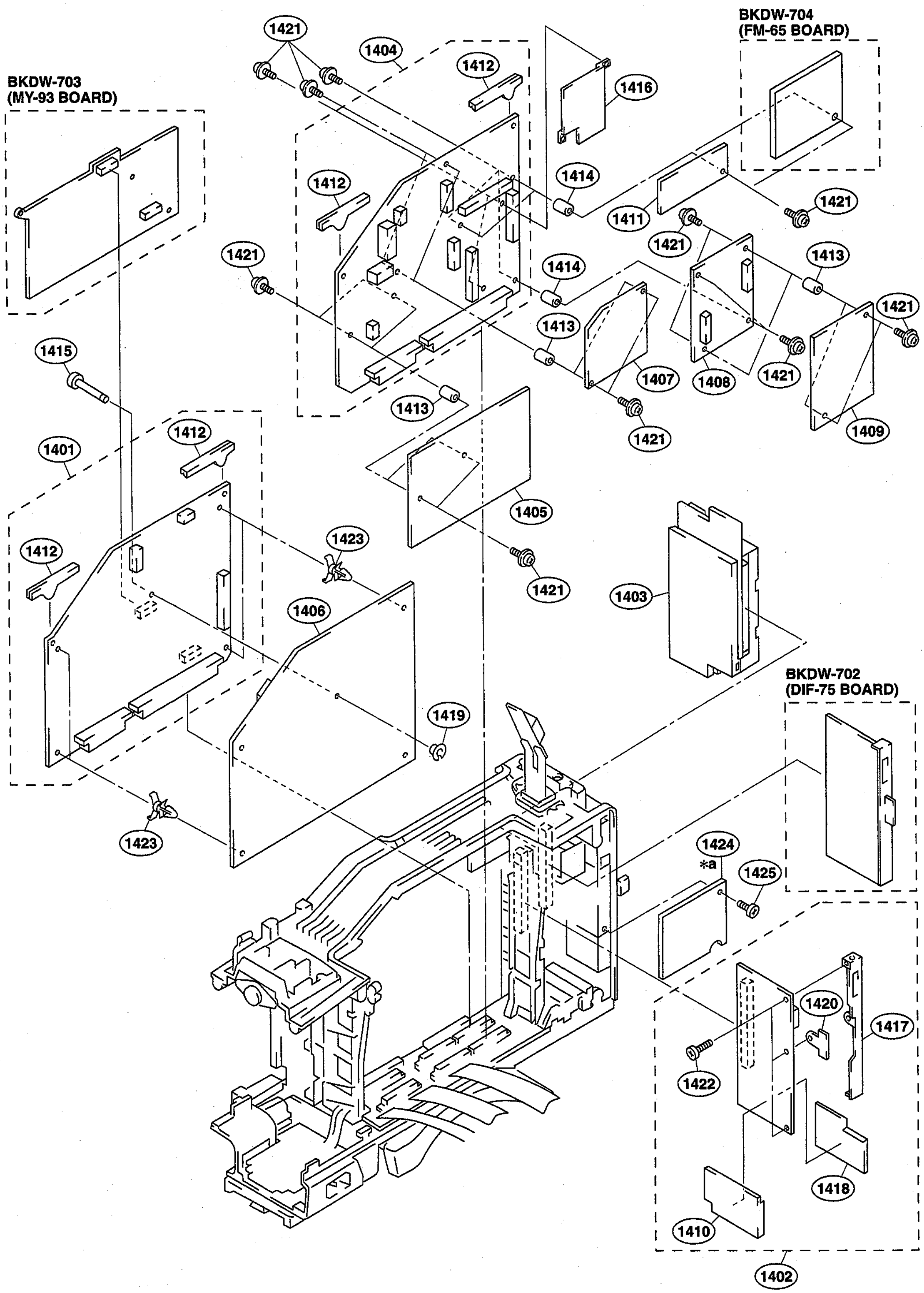
DVW-707/707P

Handle

No.	Part No.	SP	Description
1301	X-3605-334-2	o	HANDLE SUB ASSY
1302	X-3605-342-1	o	COVER ASSY,REAR
1303	2-623-773-11	s	BOLT (M3X8), STAINLESS
1304	3-603-702-12	o	COVER, FRONT
1305	3-603-703-02	o	PLATE, HANDLE
1306	3-605-904-01	o	TUBE, DROP PROTECTION
1307	3-612-822-01	s	SPRING, COMPRESSION
1308	3-616-683-02	o	COVER (2), BOTTOM
1309	3-617-743-02	o	PIPE,VF SLIDE
1310	3-617-745-01	o	FIXED TABLE(WS), VF SHOE (DVW-790WS/790WSP/709WS/709WSP)
	3-617-744-01	o	FIXED TABLE(WS), VF SHOE (DVW-707/707P)
1311	3-657-705-91	o	BOLT (M4X25), HEXAGON HOLE
1312	3-673-046-02	s	LEVER, LOCK
1313	3-679-684-01	o	REST, ARM
1314	3-679-685-11	o	TABEL, FIXED, VF SLIDE (DVW-790WS/790WSP/709WS/709WSP)
	3-679-685-02	o	TABLE, FIXED, VF SLIDE (DVW-707/707P)
1315	3-679-698-01	o	RING(C), LOCK (DVW-790WS/790WSP/709WS/709WSP)
1316	3-679-702-01	o	CUSION, STOPPER
1317	3-689-039-11	s	SCREW (M2X6), SMALL
1318	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
1319	3-701-505-00	s	SET SCREW, DOUBLE POINT 3X3
1320	3-701-507-00	s	SET SCREW, DOUBLE POINT,(M3X5)
1321	3-627-853-01	s	SHOE, SLIDE
1322	3-711-765-01	s	BOLT (M3), HEXAGON SOCKET (DVW-790WS/790WSP/709WS/709WSP)
1323	3-711-794-12	o	PIN, STOPPER (DVW-790WS/790WSP/709WS/709WSP)
	3-711-794-03	o	PIN, STOPPER (DVW-707/707P)
1324	3-720-919-01	o	RUBBER, LOCK RING (DVW-790WS/790WSP/709WS/709WSP)
1325	3-729-061-01	s	SCREW (M2) (TYPE1)
1326	3-895-622-01	s	RING (DIA. 5), O
1327	A-8279-111-C	o	SLIDE ASSY (WS), VF (DVW-790WS/790WSP/709WS/709WSP)
	A-8279-110-B	o	SLIDE ASSY (707), VF (DVW-707/707P)

Plug-in Boards


BKDW-704
(FM-65 BOARD)
BKDW-703
(MY-93 BOARD)
BKDW-702
(DIF-75 BOARD)
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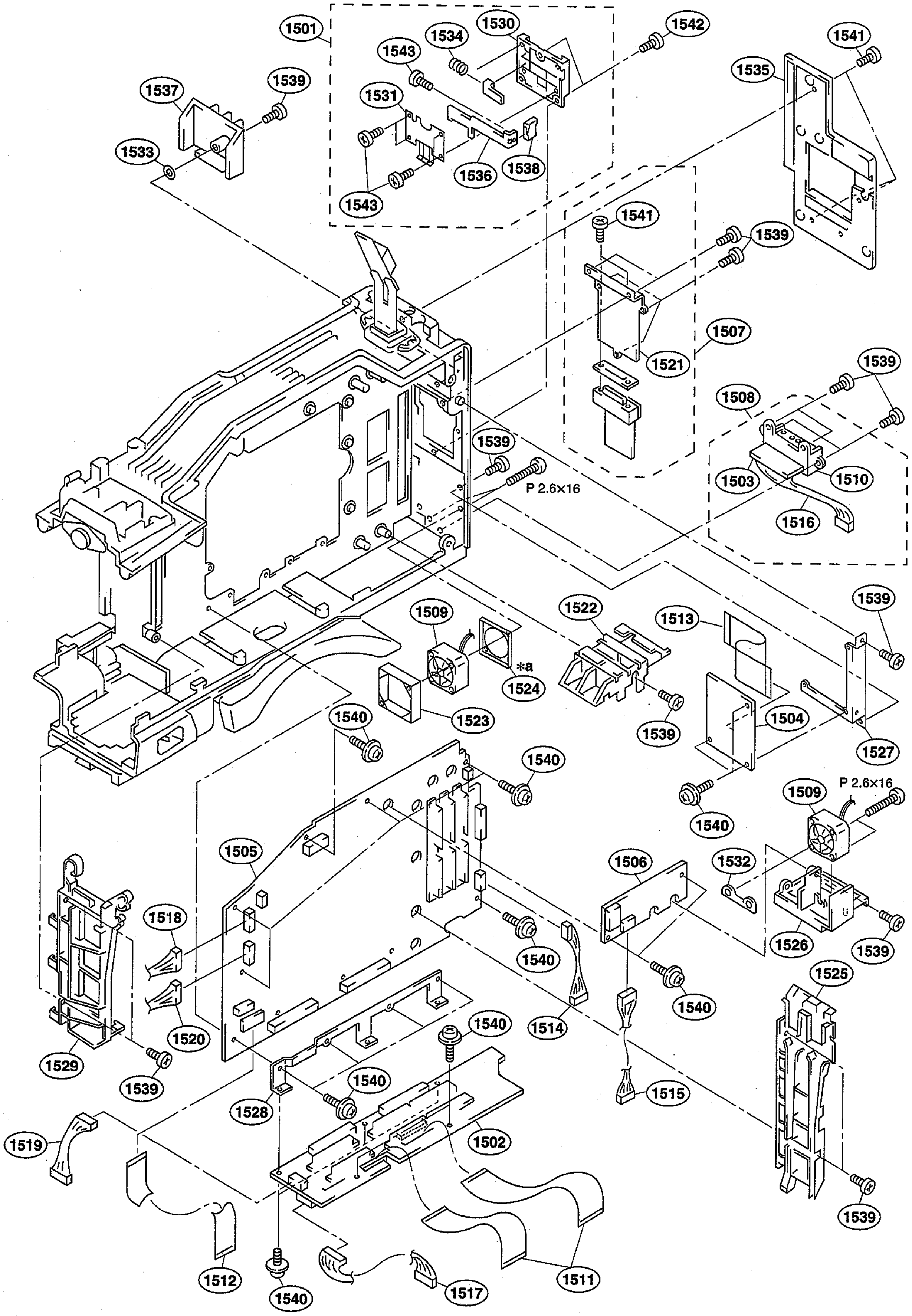
Note
*a: Serial No.30006 and higher (DVW-707/709WS/790WS:J)
Serial No.40141 and higher (DVW-709WSP/790WSP)
Serial No.10056 and higher (DVW-790WS:SY)
Serial No.10046 and higher (DVW-707:SY)
Serial No.40101 and higher (DVW-707P)
Serial No.10066 and higher (DVW-709WS:SY)

No.	Part No.	SP	Description
1401	A-8321-452-A	o	MOUNTED CIRCUIT BOARD, DVP-17
1402	A-8321-465-A	o	MOUNTED CIRCUIT BOARD, SV-210
1403	A-8321-477-A	s	CONVERTER ASSY, DC-DC
1404	A-8321-481-A	o	MOUNTED CIRCUIT BOARD, DCP-17
1405	A-8321-482-A	o	MOUNTED CIRCUIT BOARD, ES-23 (DVW-790WS/709WS/707)
	A-8321-508-A	o	MOUNTED CIRCUIT BOARD, ES-23P (DVW-790WSP/709WSP/707P)
1406	A-8321-483-A	o	MOUNTED CIRCUIT BOARD, DVP-14
1407	A-8321-610-A	o	MOUNTED CIRCUIT BOARD, AD-155
1408	A-8321-706-A	o	MOUNTED CIRCUIT BOARD, RC-69 (DVW-790WS/790WSP/709WS/709WSP)
1409	A-8321-707-A	o	MOUNTED CIRCUIT BOARD, RC-75 (DVW-790WS/790WSP/709WS/709WSP)
1410	X-3678-190-1	o	CASE ASSY SV, SHIELD
1411	1-672-913-11	o	PRINTED CIRCUIT BOARD, BF-74
1412	3-603-737-02	o	LEVER, BOARD
1413	3-616-669-01	o	SUPPORT (5)
1414	3-616-670-01	o	SUPPORT (7)
1415	3-616-671-01	o	SHAFT, SUPPORT
1416	3-616-690-01	o	HEAT SINK
1417	3-680-060-02	o	PLATE (SV-148), ORNAMENTAL
1418	3-683-016-02	o	PLATE, SHIELD, SV
1419	3-703-075-00	s	CAP 2, SHAFT
1420	3-724-753-01	o	PULL RING
1421	3-729-013-41	s	SCREW (M1.4X3.5),WASHERHEAD (+P)
1422	3-729-061-01	s	SCREW (M2) (TYPE1)
1423	3-952-863-01	o	SPACER, CIRCUIT BOARD
1424*a	3-623-328-01	o	PLATE (FAN), SHIELD
1425	3-694-181-02	o	TYPE 1, AROCK PRECISION +P2.6X5

Main Frame-1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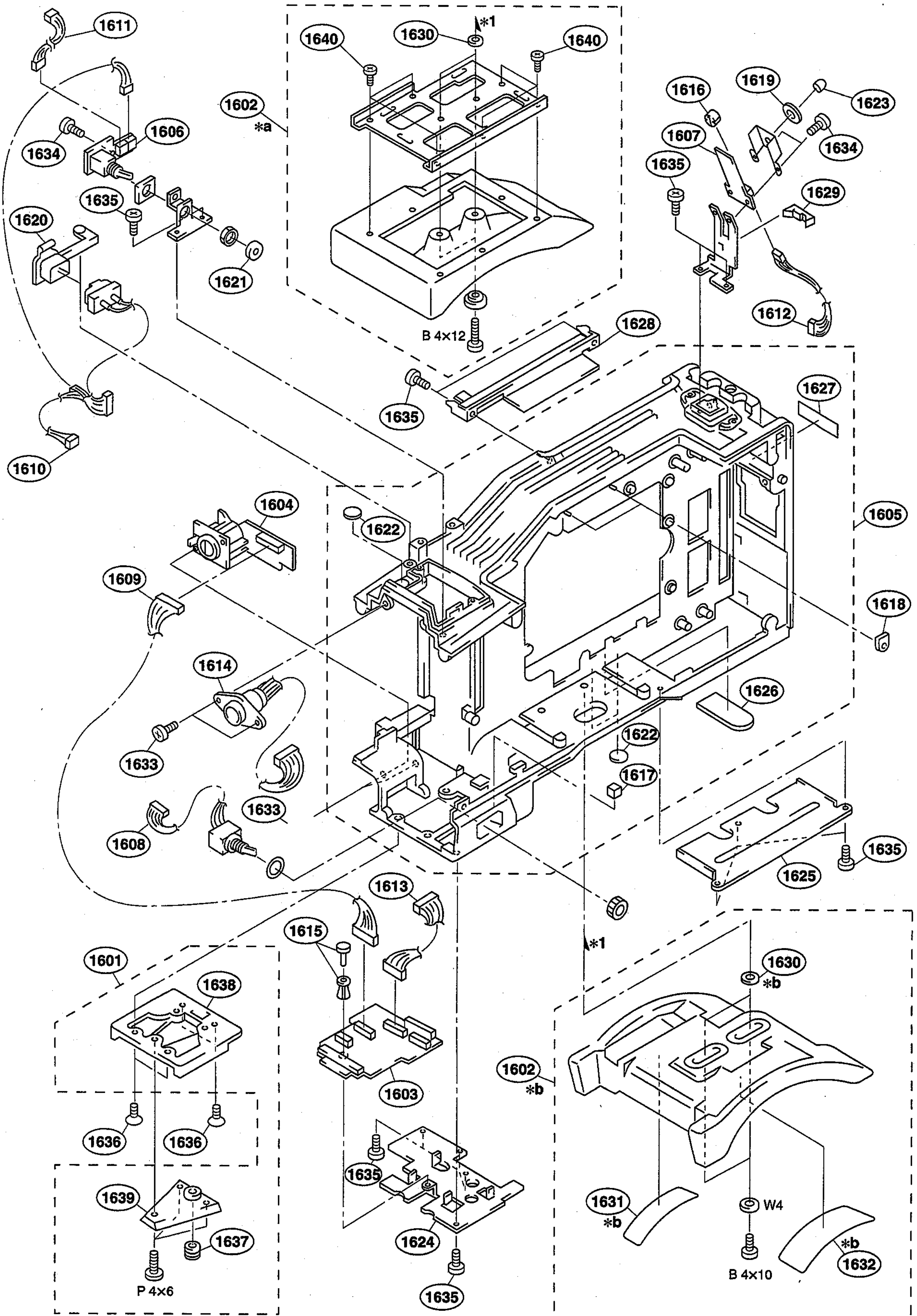
Main Frame-1

*a: Serial No.10001 through 10030 (DVW-707:SY)
Serial No.30001 through 30005 (DVW-707/709WS/790WS:J)
Serial No.10001 through 10045 (DVW-709WS:SY)
Serial No.10001 through 10035 (DVW-790WS:SY)
Serial No.40001 through 40070 (DVW-707P)
Serial No.40001 through 40120 (DVW-709WSP)
Serial No.40001 through 40125 (DVW-790WSP)

No.	Part No.	SP	Description
1501	A-8279-091-A	s	MOUNT ASSY,V
1502	A-8321-221-A	o	MOUNTED CIRCUIT BOARD, MB-810
1503	A-8321-255-A	o	MOUNTED CIRCUIT BOARD, DC-101
1504	A-8321-256-A	o	MOUNTED CIRCUIT BOARD, CI-21
1505	A-8321-456-A	o	MOUNTED CIRCUIT BOARD, MB-811
1506	A-8321-474-A	o	MOUNTED CIRCUIT BOARD, PS-533
1507	A-8321-478-A	o	FITTING ASSY, 40P
1508	A-8321-487-A	o	CONNECTOR ASSY, BATTERY
1509	1-763-331-11	s	FAN, DC
1510	1-766-377-12	s	CONNECTOR, BATTERY
1511	1-790-486-11	s	CABLE, FLEXIBLE FLAT (30 CORE)
1512	1-790-487-11	s	CABLE, FLEXIBLE FLAT (20 CORE)
1513	1-790-583-11	s	CABLE, FLEXIBLE FLAT (45 CORE)
1514	1-959-382-11	o	HARNESS, SUB (CNB11-MB811)
1515	1-959-391-11	o	HARNESS, SUB (CNB11-PS533)
1516	1-959-393-11	o	HARNESS, SUB (CNB11-BATT IN)
1517	1-959-394-11	o	HARNESS, SUB (MB810-IF716)
1518	1-959-397-11	o	HARNESS, SUB (DR-MB811)
1519	1-959-399-11	o	HARNESS, SUB (IF716-MB810)
1520	1-959-400-11	o	HARNESS, SUB (MB811-DR)
1521	3-603-717-01	o	40P BRACKET (B)
1522	3-616-666-01	o	GUIDE (R3), PC BOARD
1523	3-616-691-02	o	NUT, PLATE(FAN)
1524*a	3-616-692-02	o	CUSHION (FAN)
1525	3-616-708-01	o	GUIDE (R1), PC BOARD
1526	3-616-709-01	o	GUIDE (R2), PC BOARD
1527	3-616-711-01	o	BRACKET (CI)
1528	3-616-717-01	o	BRACKET (MB)
1529	3-616-718-01	o	GUIDE (F), PC BOARD
1530	3-616-721-01	o	MOUNT (2), V
1531	3-616-724-01	o	LID, REAR
1532	3-617-516-01	o	NUT PLATE (FAN2)
1533	3-669-595-00	s	WASHER (2), STOPPER
1534	3-679-648-02	o	SPRING, COMPRESSION
1535	3-679-669-05	o	SPACER
1536	3-679-688-02	o	LEVER, RELEASE
1537	3-680-485-03	o	COVER, CONNECTOR
1538	3-680-952-01	o	KNOB, RELEASE LEVER
1539	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
1540	3-701-468-01	s	SCREW (+-2X4), LOCK
1541	3-729-061-01	s	SCREW (M2) (TYPE1)
1542	3-742-074-11	s	SCREW (+B3X8)
1543	7-627-553-38	s	SCREW, PRECISION +P2X3

Main Frame-2


1611
1640
1630
*1
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1602
*a
1606
1634
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1607
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1635
1629
1635
1620
1621
1612
B 4×12
1628
1635
1627
1610
1605
1604
1622
1609
1618
1614
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1622
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1633
1633
1635
1608
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1613
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1615
1630
*b
1601
1638
1602
*b
1603
1636
1636
1635
1639
1631
*b
W4
1637
1624
*b
1632
B 4×10
P 4×6
1635

Note
*a: Serial No.10056 and higher (DVW-707:SY)
Serial No.30011 and higher (DVW-707/709WS/790WS:J)
Serial No.10126 and higher (DVW-709WS:SY)
Serial No.10161 and higher (DVW-790WS:SY)
Serial No.40191 and higher (DVW-707P)
Serial No.40256 and higher (DVW-709WSP)
Serial No.40511 and higher (DVW-790WSP)
*b: Serial No.10001 through 10055 (DVW-707:SY)
Serial No.30001 through 30010 (DVW-707/709WS/790WS:J)
Serial No.10001 through 10125 (DVW-709WS:SY)
Serial No.10001 through 10160 (DVW-790WS:SY)
Serial No.40001 through 40190 (DVW-707P)
Serial No.40001 through 40255 (DVW-709WSP)
Serial No.40016 through 40510 (DVW-790WSP)

No.	Part No.	SP	Description
1601	A-7612-385-C	s	SHOE (B) ASSY, V
1602*a	A-8279-355-A	s	PAD ASSY, SHOULDER
*b	A-8279-095-A	s	PAD ASSY, SHOULDER
1603	A-8322-786-A	o	MOUNTED CIRCUIT BOARD, IF-716
1604	A-8322-785-A	o	MOUNTED CIRCUIT BOARD, MA-94
1605	X-3605-339-6	o	FRAME SUB ASSY,MAIN
1606	1-672-927-11	o	PRINTED CIRCUIT BOARD, SW-973
1607	1-672-928-11	o	PRINTED CIRCUIT BOARD, LP-109
1608	1-959-006-11	o	HARNESS, SUB (MB-PSW)
1609	1-959-379-11	o	HARNESS, SUB (MA94-IF716)
1610	1-959-392-12	o	HARNESS, SUB (PS533-LIGHT/SW973)
1611	1-959-395-11	o	HARNESS, SUB (SW973-MB811)
1612	1-959-396-11	o	HARNESS, SUB (LP109-MB811)
1613	1-959-398-11	o	HARNESS, SUB (IF716-MB811)
1614	1-959-402-11	o	HARNESS (VF)
1615	2-279-715-11	s	RIVET, NYLON
1616	2-358-583-01	o	HOLDER, LED
1617	3-564-945-01	s	CUSHION (B)
1618	3-603-658-01	o	CLAMP, HARNESS
1619	3-603-735-01	o	DROP PROTECTION (SW)
1620	3-603-736-02	o	COVER, LIGHT CONNECTER
1621	3-603-742-01	o	DROP PROTECTION (LIGHT)
1622	3-603-744-01	o	PLATE, ORNAMENTAL(TOP)
1623	3-608-318-01	o	DROP PROTECTION (TALLY)
1624	3-616-702-01	o	BRACKET (IF)
1625	3-616-704-01	o	PLATE (BOTTOM), ORNAMENTAL
1626	3-616-705-02	o	PLATE (BOTTOM), BLIND
1627	3-616-706-01	o	PLATE (REAR), BLIND
1628	3-623-254-02	o	GUIDE, CASSETTE MOUSE
1629	3-671-150-01	o	CLAMP
1630*b	3-687-116-01	o	WASHER (4), STOPPER
1631*b	3-693-979-02	o	SHEET (S), STOPPER
1632*b	3-693-980-02	o	SHEET (L), STOPPER
1633	3-694-181-02	s	TYPE1, AROCK PRECISION +P2.6X5
1634	3-729-013-41	s	SCREW (M1.4X3.5), WASHERHEAD (+P)
1635	3-729-061-01	s	SCREW (M2) (TYPE1)
1636	3-729-072-01	s	SCREW, +K4X8
1637	3-742-011-01	s	SCREW, 1/4, 3/8 CONVERSION
1638	3-742-012-01	s	SHOE (B), CAMERA
1639	3-742-015-01	o	WEDGE (B), MOUNTING
1640	3-166-603-01	s	SCREW (2.6), +B

1-3. Hardware List

No.	Part No.	SP	Description
	7-621-260-00	s	SCREW +P2.6X16
	7-621-710-55	s	SET-SCREW, SLOT 2X6 CONE POINT
	7-621-731-08	s	SET-SCREW, HEX. 2X2.5, FLAT POINT
	7-621-732-09	s	SET-SCREW, HEX. 2X3 WP
	7-621-772-20	s	SCREW +B2X5
	7-623-208-22	s	SW 3, TYPE2
	7-623-305-07	s	LW 2, TYPE (A)
	7-624-101-04	s	STOP RING 1.2 (E TYPE)
	7-624-102-04	s	STOP RING 1.5, TYPE-E
	7-624-105-04	s	STOP RING 2.3, TYPE-E
	7-628-253-15	s	SCREW +PS2X5
	7-628-253-35	s	SCREW +PS2X8
	7-682-160-09	o	SCREW +P4X6
	7-682-562-09	s	SCREW +B4X10
	7-682-563-09	s	SCREW +B4X12
	7-682-902-01	s	SCREW +PWH2.6X4
	7-685-102-19	s	SCREW +P2X4 NON-SLIT TYPE2
	7-685-103-19	s	SCREW +P2X5 TYPE2 NON-SLIT
	7-685-133-19	s	SCREW +P2.6X6 TYPE2
	7-685-134-19	s	SCREW +P2.6X8 TYPE2 NON-SLIT
	7-685-647-79	s	SCREW +P3X10 TYPE2 NON-SLIT
	7-688-003-02	s	W3, SMALL
	7-688-004-12	s	W4, MIDDLE

1-4. Electrical Parts List

AD-155 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-610-A	o	MOUNTED CIRCUIT BOARD, AD-155
C1	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C2	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C3	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C4	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C5	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C6	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C7	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C8	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C9	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C10	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C11	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C12	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C15	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C22	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C23	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C24	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C25	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C30	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C31	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C32	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C34	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C42	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C43	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C44	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C45	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C46	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C51	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C53	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C54	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C55	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C56	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C57	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C58	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C59	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C60	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C61	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C62	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C63	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C64	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C65	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-774-998-21	o	CONNECTOR, BOARD TO BOARD 20P
CN2	1-770-678-11	o	CONNECTOR, BOARD TO BOARD 50P
FL1	1-233-739-11	s	FILTER, LOW PASS
FL2	1-233-741-11	s	FILTER, LOW PASS
FL3	1-233-739-11	s	FILTER, LOW PASS
FL4	1-233-741-11	s	FILTER, LOW PASS
FL5	1-233-739-11	s	FILTER, LOW PASS
FL6	1-233-741-11	s	FILTER, LOW PASS
IC1	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC2	8-759-347-09	s	IC NJU7034V-TE2
IC3	8-759-536-18	s	IC ADS805E-T2
IC4	8-759-347-09	s	IC NJU7034V-TE2
IC5	8-759-536-18	s	IC ADS805E-T2
IC6	8-759-536-18	s	IC ADS805E-T2
Q1	8-729-403-32	s	TRANSISTOR XN6534
Q2	8-729-117-32	s	TRANSISTOR 2SC4177
Q3	8-729-403-32	s	TRANSISTOR XN6534
Q4	8-729-403-29	s	TRANSISTOR XN6435
Q5	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q6	8-729-117-73	s	TRANSISTOR 2SC4178-F14
Q7	8-729-117-32	s	TRANSISTOR 2SC4177
Q8	8-729-403-32	s	TRANSISTOR XN6534
Q9	8-729-117-32	s	TRANSISTOR 2SC4177
Q10	8-729-403-32	s	TRANSISTOR XN6534
Q11	8-729-403-29	s	TRANSISTOR XN6435
Q12	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q13	8-729-117-73	s	TRANSISTOR 2SC4178-F14
Q14	8-729-403-32	s	TRANSISTOR XN6534
Q15	8-729-117-32	s	TRANSISTOR 2SC4177
Q16	8-729-403-32	s	TRANSISTOR XN6534
Q17	8-729-403-29	s	TRANSISTOR XN6435
Q18	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q19	8-729-117-73	s	TRANSISTOR 2SC4178-F14
Q20	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R1	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R2	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R3	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R4	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R5	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R6	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R7	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R8	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R9	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R10	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R11	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W
R12	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R13	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W

(AD-155 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R14	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R15	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R16	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R17	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R18	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R19	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R20	1-218-691-11	s	METAL, CHIP 910 0.50% 1/16W
R21	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R22	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R23	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R24	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R25	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R26	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R27	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R28	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R29	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R30	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R31	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R32	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R33	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R34	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R35	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R36	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R37	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R38	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R39	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R40	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W
R41	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R42	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R43	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R44	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R45	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R46	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R47	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R48	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R49	1-218-691-11	s	METAL, CHIP 910 0.50% 1/16W
R50	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R51	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R52	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R53	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R54	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R55	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R56	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R57	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R58	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R59	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R60	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R61	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R62	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R63	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R64	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R65	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R66	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R67	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R68	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R69	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W
R70	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R71	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R72	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W

(AD-155 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R73	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R74	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R75	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R76	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R77	1-218-691-11	s	METAL, CHIP 910 0.50% 1/16W
R78	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R79	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R80	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R81	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R82	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R83	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R84	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R85	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R86	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R87	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R88	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R89	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R90	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R91	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R92	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R93	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R94	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R95	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R96	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W

AXM-21/21B BOARD

Note
*a: Serial No.10056 and higher (707 SY)
10121 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10131 and higher (790WS SY)
40156 and higher (707P)
40226 and higher (709WSP)
40401 and higher (790WSP)
*b: Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10120 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10130 (790WS SY)
40001 through 40155 (707P)
40001 through 40225 (709WSP)
40001 through 40400 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-500-A	o	MOUTED CIRCUIT BOARD, AXM-21B [for J]
1pc	A-8321-461-A	o	MOUNTED CIRCUIT BOARD, AXM-21 [for SY]
1pc	4-622-069-01	s	SUPPORT, MODEM
C3	1-126-795-11	s	ELECT 10uF 20% 50V
C6	1-126-795-11	s	ELECT 10uF 20% 50V
C101	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C102	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C103	1-126-795-11	s	ELECT 10uF 20% 50V
C104	1-126-795-11	s	ELECT 10uF 20% 50V
C105	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C106	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C107	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C108	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C109	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V [for J]
C110	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V [for SY]
C111	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C112	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C123	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C124	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C201	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C202	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C203	1-126-795-11	s	ELECT 10uF 20% 50V
C204	1-126-795-11	s	ELECT 10uF 20% 50V
C205	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C206	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C207	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C208	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C209	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V [for J]
C210	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V [for SY]
C211	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C212	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C300	1-126-934-11	s	ELECT 220uF 20% 16V
C301	1-126-934-11	s	ELECT 220uF 20% 16V
C302	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C303	1-126-934-11	s	ELECT 220uF 20% 16V
C304	1-126-934-11	s	ELECT 220uF 20% 16V
C305	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C306	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
C307	1-163-033-91	s	CERAMIC, CHIP 0.022uF 50V
CN100*a	1-766-385-13	s	CONNECTOR, 3P-XLR TYPE (MALE) [for J]
CN100*b	1-766-385-12	s	CONNECTOR, 3P-XLR TYPE (MALE) [for J]
CN100*a	1-766-386-13	s	CONNECTOR, 3P-XLR TYPE(FEMALE) [for SY]
CN100*b	1-766-386-12	s	CONNECTOR, 3P-XLR TYPE(FEMALE) [for SY]
CN101	1-565-883-11	o	CONNECTOR 11P, MALE
CN102	1-565-876-11	o	CONNECTOR 4P, MALE
CN200*a	1-766-385-13	s	CONNECTOR, 3P-XLR TYPE (MALE) [for J]
CN200*b	1-766-385-12	s	CONNECTOR, 3P-XLR TYPE (MALE) [for J]
CN200*a	1-766-386-13	s	CONNECTOR, 3P-XLR TYPE(FEMALE) [for SY]
CN200*b	1-766-386-12	s	CONNECTOR, 3P-XLR TYPE(FEMALE) [for SY]
CN301	1-774-795-11	s	CONNECTOR, XLR (RECEPTACLE) 5P
D101	8-719-800-76	s	DIODE 1SS226
D102	8-719-800-76	s	DIODE 1SS226
D201	8-719-800-76	s	DIODE 1SS226
D202	8-719-800-76	s	DIODE 1SS226
D300	8-719-404-35	s	DIODE MA141WK
D301	8-719-024-81	s	DIODE 1SS300-TE85L
D302	8-719-404-35	s	DIODE MA141WK
D303	8-719-024-81	s	DIODE 1SS300-TE85L
FL300	1-239-895-11	s	FILTER, EMI (SMD)
FL301	1-239-895-11	s	FILTER, EMI (SMD)
FL302	1-239-895-11	s	FILTER, EMI (SMD)
FL303	1-239-895-11	s	FILTER, EMI (SMD)
IC101	8-759-982-02	s	IC RC4562DD
IC201	8-759-982-02	s	IC RC4562DD
IC300	8-759-158-99	s	IC SSM-2142P
IC301	8-759-158-99	s	IC SSM-2142P
L101	1-412-137-11	s	INDUCTOR 10uH
L102	1-412-137-11	s	INDUCTOR 10uH
L201	1-412-137-11	s	INDUCTOR 10uH
L202	1-412-137-11	s	INDUCTOR 10uH
Q3	8-729-271-31	s	TRANSISTOR 2SC2713G [for SY]
Q4	8-729-271-31	s	TRANSISTOR 2SC2713G [for SY]
Q5	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q6	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q7	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q8	8-729-209-07	s	TRANSISTOR 2SC4213-B
R5	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R6	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R100	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R101	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R102	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R103	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R104	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R105	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R106	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R107	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R108	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R109	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R110	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R111	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R112	1-216-642-11	s	METAL, CHIP 430 0.5% 1/10W

(AXM-21/21B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R114	1-216-642-11	s	METAL, CHIP 430 0.5% 1/10W
R115	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R116	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R119	1-216-636-11	s	METAL, CHIP 240 0.5% 1/10W
R120	1-216-636-11	s	METAL, CHIP 240 0.5% 1/10W
R121	1-216-295-11	s	CONDUCTOR, CHIP 0 [for SY]
R122	1-216-295-11	s	CONDUCTOR, CHIP 0 [for SY]
R123	1-216-295-11	s	CONDUCTOR, CHIP 0 [for J]
R124	1-216-295-11	s	CONDUCTOR, CHIP 0 [for J]
R200	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R201	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R202	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R203	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R204	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R205	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R206	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R207	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R208	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R209	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R210	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R211	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R212	1-216-642-11	s	METAL, CHIP 430 0.5% 1/10W
R214	1-216-642-11	s	METAL, CHIP 430 0.5% 1/10W
R215	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R216	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R219	1-216-636-11	s	METAL, CHIP 240 0.5% 1/10W
R220	1-216-636-11	s	METAL, CHIP 240 0.5% 1/10W
R221	1-216-295-11	s	CONDUCTOR, CHIP 0 [for SY]
R222	1-216-295-11	s	CONDUCTOR, CHIP 0 [for SY]
R223	1-216-295-11	s	CONDUCTOR, CHIP 0 [for J]
R224	1-216-295-11	s	CONDUCTOR, CHIP 0 [for J]
R300	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R301	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R302	1-216-295-11	s	CONDUCTOR, CHIP 0
R304	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R305	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R306	1-216-295-11	s	CONDUCTOR, CHIP 0
R308	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R309	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R310	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R311	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R316	1-216-295-11	s	CONDUCTOR, CHIP 0
R317	1-216-295-11	s	CONDUCTOR, CHIP 0
S101	1-572-042-11	s	SWITCH, SLIDE
S201	1-572-042-11	s	SWITCH, SLIDE

BF-74 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-913-11	o	PRINTED CIRCUIT BOARD, BF-74
CN1	1-779-393-11	o	CONNECTOR, BOARD TO BOARD 100P

BI-96(B) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-569-195-11	o	HOUSING, CONNECTOR 2P
1pc	1-562-735-11	o	HOUSING, 2P
1pc	1-563-088-11	o	CONTACT AWG#24-30
C1	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C2	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C3	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C5	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C6	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C7	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C8	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C9	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C10	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C11	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C12	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C14	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C16	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-157-33	s	DIODE RD6.2M-B
D3	8-719-104-34	s	DIODE 1S2835
D4	8-719-104-34	s	DIODE 1S2835
D5	8-719-800-76	s	DIODE 1SS226
Q1	8-729-421-71	s	TRANSISTOR 2SK620
Q2	8-729-116-66	s	TRANSISTOR 2SK508-K53
Q3	8-729-140-47	s	TRANSISTOR 2SC3735-B34
Q4	8-729-112-65	s	TRANSISTOR 2SA1462
R2	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R3	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R4	1-216-295-11	s	CONDUCTOR, CHIP 0
R5	1-216-295-11	s	CONDUCTOR, CHIP 0
R6	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R7	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R8	1-216-690-11	s	METAL, CHIP 43K 0.50% 1/10W
R9	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R10	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R11	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R12	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R13	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R14	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R15	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R17	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R31	1-216-295-11	s	CONDUCTOR, CHIP 0

BI-96(G) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-563-088-11	o	CONTACT AWG#24-30
C1	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C2	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C3	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C5	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C6	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C7	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C8	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C9	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C10	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C11	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C12	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C13	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C14	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C16	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
CN2	1-562-735-11	o	HOUSING, 2P
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-157-33	s	DIODE RD6.2M-B
D3	8-719-104-34	s	DIODE 1S2835
D4	8-719-104-34	s	DIODE 1S2835
D5	8-719-800-76	s	DIODE 1SS226
IC1	8-759-075-53	s	IC LM35DM
Q1	8-729-421-71	s	TRANSISTOR 2SK620
Q2	8-729-116-66	s	TRANSISTOR 2SK508-K53
Q3	8-729-140-47	s	TRANSISTOR 2SC3735-B34
Q4	8-729-112-65	s	TRANSISTOR 2SA1462
R2	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R3	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R4	1-216-295-11	s	CONDUCTOR, CHIP 0
R5	1-216-295-11	s	CONDUCTOR, CHIP 0
R6	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R7	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R8	1-216-690-11	s	METAL, CHIP 43K 0.50% 1/10W
R9	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R10	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R11	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R12	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R13	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R14	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R15	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R16	1-216-624-11	s	METAL, CHIP 75 0.50% 1/10W
R17	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R31	1-216-295-11	s	CONDUCTOR, CHIP 0

BI-96(R) BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-569-195-11	o	HOUSING, CONNECTOR 2P
1pc	1-562-735-11	o	HOUSING, 2P
1pc	1-563-088-11	o	CONTACT AWG#24-30
C1	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C2	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C3	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C5	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C6	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C7	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C8	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C9	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C10	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C11	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C12	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C14	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C16	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-157-33	s	DIODE RD6.2M-B
D3	8-719-104-34	s	DIODE 1S2835
D4	8-719-104-34	s	DIODE 1S2835
D5	8-719-800-76	s	DIODE 1SS226
Q1	8-729-421-71	s	TRANSISTOR 2SK620
Q2	8-729-116-66	s	TRANSISTOR 2SK508-K53
Q3	8-729-140-47	s	TRANSISTOR 2SC3735-B34
Q4	8-729-112-65	s	TRANSISTOR 2SA1462
R2	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R3	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R4	1-216-295-11	s	CONDUCTOR, CHIP 0
R5	1-216-295-11	s	CONDUCTOR, CHIP 0
R6	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R7	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R8	1-216-690-11	s	METAL, CHIP 43K 0.50% 1/10W
R9	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R10	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R11	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R12	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R13	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R14	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R15	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R17	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R31	1-216-295-11	s	CONDUCTOR, CHIP 0

CI-20 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
CN1	1-760-394-11	o	CONNECTOR, BOARD TO BOARD 40P
CN2	1-778-535-11	o	CONNECTOR, FFC (ZIF) 45P

CI-21 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-256-A	o	MOUNTED CIRCUIT BOARD, CI-21
C1	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C2	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C3	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C4	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
CN2	1-778-535-11	o	CONNECTOR, FFC (ZIF) 45P
CN3	1-779-746-21	s	CONNECTOR, BOARD TO BOARD 50P
FB1	1-543-622-11	s	FERRITE 0uH
FB2	1-543-622-11	s	FERRITE 0uH
FB3	1-543-622-11	s	FERRITE 0uH
FB4	1-543-622-11	s	FERRITE 0uH
FB5	1-543-622-11	s	FERRITE 0uH
FB6	1-543-622-11	s	FERRITE 0uH
FB7	1-543-622-11	s	FERRITE 0uH
FB8	1-543-622-11	s	FERRITE 0uH
FB9	1-543-622-11	s	FERRITE 0uH
FB10	1-543-622-11	s	FERRITE 0uH
FB11	1-543-622-11	s	FERRITE 0uH
FB12	1-543-622-11	s	FERRITE 0uH
FB13	1-543-622-11	s	FERRITE 0uH
FB14	1-543-622-11	s	FERRITE 0uH
FB15	1-543-622-11	s	FERRITE 0uH
FB16	1-543-622-11	s	FERRITE 0uH
FB17	1-543-622-11	s	FERRITE 0uH
FB18	1-543-622-11	s	FERRITE 0uH
FB19	1-543-622-11	s	FERRITE 0uH
FB20	1-543-622-11	s	FERRITE 0uH
FB21	1-543-622-11	s	FERRITE 0uH
FB22	1-543-622-11	s	FERRITE 0uH
FB23	1-543-622-11	s	FERRITE 0uH
FB24	1-543-622-11	s	FERRITE 0uH
FB25	1-543-622-11	s	FERRITE 0uH
FB26	1-543-622-11	s	FERRITE 0uH
FB27	1-543-622-11	s	FERRITE 0uH
FB28	1-543-622-11	s	FERRITE 0uH
FB29	1-543-622-11	s	FERRITE 0uH
FB30	1-543-622-11	s	FERRITE 0uH
FB31	1-543-622-11	s	FERRITE 0uH
FB32	1-543-622-11	s	FERRITE 0uH
FB33	1-543-622-11	s	FERRITE 0uH
FB34	1-543-622-11	s	FERRITE 0uH
FB35	1-543-622-11	s	FERRITE 0uH
FB37	1-543-622-11	s	FERRITE 0uH
IC1	8-759-524-28	s	IC TC74VHC245FT(EL)
IC2	8-759-524-28	s	IC TC74VHC245FT(EL)
IC3	8-759-524-28	s	IC TC74VHC245FT(EL)
IC4	8-759-524-28	s	IC TC74VHC245FT(EL)
L1	1-412-174-11	s	INDUCTOR 1uH
R2	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R3	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R4	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R5	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
RB1	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB2	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB3	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB4	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4

(CI-21 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB5	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB6	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB7	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4

CN-1183 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C2	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-126-936-11	s	ELECT 3300uF 20% 16V
CN1	1-770-678-11	o	CONNECTOR, BOARD TO BOARD 50P
CN2	1-695-950-21	o	CONNECTER, FPC (ZIF) 21P
CN3	1-695-950-21	o	CONNECTER, FPC (ZIF) 21P
CN4	1-695-950-21	o	CONNECTER, FPC (ZIF) 21P
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-800-76	s	DIODE 1SS226
D3	8-719-800-76	s	DIODE 1SS226
D4	8-719-800-76	s	DIODE 1SS226
D5	8-719-800-76	s	DIODE 1SS226
D6	8-719-800-76	s	DIODE 1SS226
IC1	8-759-242-51	s	IC TC74AC86F
IC2	8-759-242-51	s	IC TC74AC86F
R2	1-216-791-11	s	RESISTOR, CHIP 3.3 1/16W 1608
R3	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R4	1-216-791-11	s	RESISTOR, CHIP 3.3 1/16W 1608
R6	1-216-791-11	s	RESISTOR, CHIP 3.3 1/16W 1608
R8	1-216-791-11	s	RESISTOR, CHIP 3.3 1/16W 1608
R10	1-216-791-11	s	RESISTOR, CHIP 3.3 1/16W 1608
R12	1-216-791-11	s	RESISTOR, CHIP 3.3 1/16W 1608
R14	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R37	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R38	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R39	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

CN-1573 BOARD (for DVW-707/707P)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-733-A	o	MOUNTED CIRCUIT BOARD, CN-1573

CNB-11/11B BOARD

Note
*c: Serial No.30011 and higher (707 J/709WS J/790WS J)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-499-A	o	MOUTED CIRCUIT BOARD, CNB-11B [for J]
1pc	A-8321-460-A	o	MOUNTED CIRCUIT BOARD, CNB-11 [for SY]
1pc	3-616-676-01	o	FINGER,SHIELD(CNB)
1pc	3-616-727-01	o	SHEET,CNB INSULATING
C1	1-128-548-11	s	ELECT 4700uF 20% 25V
C2	1-128-548-11	s	ELECT 4700uF 20% 25V
C3	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C301	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C302	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C303	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C304	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C305	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C306	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C307	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C309	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C310	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C311	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C319	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C320	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C401	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
CB1	△ 1-532-525-00	s	BREAKER, CIRCUIT 6.3A 125V
CN35	1-691-591-11	o	PIN, CONNECTOR (1.5MM) (SMD)8P
CN50	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN101	1-778-541-11	o	CONNECTOR, BOARD TO BOARD 52P
CN102	1-564-725-11	s	CONNECTOR 9P, MALE
CN103	1-564-704-11	s	PIN HEADER, STRAIGHT 2P
CN104	1-750-933-21	o	PIN, CONNECTOR 12P
CN105	1-564-706-11	o	PIN HEADER, STRAIGHT 4P
CN106	1-779-268-21	o	PIN, CONNECTOR (1.5MM)(SMD)11P
CN107	1-573-290-21	s	PIN, CONNECTOR (1.5MM) (SMD)4P
CN108	1-766-376-11	o	PIN, CONNECTOR (1.5MM)(SMD) 9P
CN109	1-564-709-11	o	CONNECTOR 7P, MALE
CN110	1-564-705-11	s	PIN HEADER, STRAIGHT 3P
D1	8-719-023-54	s	DIODE EA60QC06-F
D2	8-719-023-54	s	DIODE EA60QC06-F
D301	8-719-029-63	s	DIODE RD4.3UH-T1
D302	8-719-029-63	s	DIODE RD4.3UH-T1
D403	8-719-941-23	s	DIODE DA204U
D404	8-719-941-23	s	DIODE DA204U
D405	8-719-941-23	s	DIODE DA204U
D406	8-719-941-23	s	DIODE DA204U
D407	8-719-941-23	s	DIODE DA204U
D408	8-719-941-23	s	DIODE DA204U
D409	8-719-941-23	s	DIODE DA204U
FL1	1-239-895-11	s	FILTER, EMI (SMD)
FL2	1-239-895-11	s	FILTER, EMI (SMD)
FL3	1-239-895-11	s	FILTER, EMI (SMD)
IC1	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
IC2	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
IC3	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
IC301	8-759-710-78	s	IC NJM082BM
IC302	8-759-710-88	s	IC NJM431U

(CNB-11/11B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L301	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L302	1-410-737-31	s	INDUCTOR CHIP 0.47uH
Q301	8-729-020-94	s	TRANSISTOR 2SA1314C-TE12L
Q302	8-729-808-42	s	TRANSISTOR 2SD1624-T
R1	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R2	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R301	1-218-688-11	s	METAL, CHIP 680 0.50% 1/16W
R303	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R304	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R305	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R306	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R307	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R401*c	1-216-295-11	s	CONDUCTOR, CHIP 0 [for J]
R402	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W

CP-329 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-457-A	o	MOUNTED CIRCUIT BOARD, CP-329
1pc	3-603-713-01	o	HOLDER SWITCH
1pc	3-729-013-41	s	SCREW(M1.4X3.5),WASHERHEAD(+P)
C101	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C102	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C103	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C104	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C105	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C106	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C107	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-566-761-11	o	CONNECTOR 6P, MALE
IC101	8-759-175-04	s	IC PCF8574T-T
IC102	8-759-175-04	s	IC PCF8574T-T
R13	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R14	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R100	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R101	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R102	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R103	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R104	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R105	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R106	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R107	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R108	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R110	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R111	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R112	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
RB101	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
RB102	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
RB103	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
RB104	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
S100	1-762-001-11	s	SWITCH, TOGGLE
S101	1-762-020-11	s	SWITCH, TOGGLE
S102	1-762-000-11	s	SWITCH, TOGGLE
S103	1-762-019-11	s	SWITCH, TOGGLE
S104	1-762-000-11	s	SWITCH, TOGGLE
S105	1-762-000-11	s	SWITCH, TOGGLE
S106	1-554-088-00	s	SWITCH, TACTILE

CTL-10 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8263-156-A	o	MOUNTED CIRCUIT BOARD, CTL-10
C1	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C2	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C3	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C4	1-104-552-11	s	FILM 0.012uF 5% 16V
C5	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C6	1-104-752-11	s	TANTALUM, CHIP 33uF 20% 6.3V
C7	1-104-752-11	s	TANTALUM, CHIP 33uF 20% 6.3V
C8	1-164-816-11	s	CERAMIC, CHIP 220PF 2% 50V
C9	1-135-201-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C10	1-109-898-11	s	CERAMIC 0.018uF 5% 100
C11	1-109-897-11	s	CERAMIC 0.015uF 5% 100
CN1	1-691-591-11	o	PIN, CONNECTOR (1.5MM) (SMD)8P
CN2	1-580-055-21	o	PIN, CONNECTOR (SMD) 2P
CN3	1-569-775-21	o	PIN, CONNECTOR (SMD) 5P
CN4	1-580-056-21	o	PIN, CONNECTOR (SMD) 3P
IC1	8-759-530-05	s	IC TC4053BFT(EL,N)
IC2	8-759-710-28	s	IC NJM4565M-A
IC3	8-759-260-53	s	IC LM2903PW-E05
Q1	8-729-117-32	s	TRANSISTOR 2SC4177
Q2	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
R1	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R2	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R3	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R4	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R5	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R6	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R7	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R8	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R9	1-218-744-11	s	METAL, CHIP 150K 0.50% 1/16W
R10	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R11	1-218-750-11	s	METAL, CHIP 270K 0.50% 1/16W
R12	1-218-750-11	s	METAL, CHIP 270K 0.50% 1/16W
R13	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R14	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R15	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R16	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R17	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W
R18	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W
R19	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R20	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W

CUE-2 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8263-157-A	o	MOUNTED CIRCUIT BOARD, CUE-2
C1	1-135-201-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C4	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C5	1-107-499-11	s	FILM 0.0039uF 2% 16V
C6	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C7	1-135-201-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C8	1-163-139-00	s	CERAMIC, CHIP 820PF 5% 50V
C9	1-109-899-11	s	CERAMIC 330uF 5% 200
C10	1-135-201-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C11	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C12	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C13	1-104-551-11	s	FILM, CHIP 0.01uF 5% 16V
C14	1-135-202-21	s	TANTALUM, CHIP 22uF 10% 4V
C15	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C16	1-162-959-11	s	CERAMIC, CHIP 330PF 5% 50V
C17	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C18	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C19	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C20	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C21	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C22	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C23	1-135-167-21	s	TANTALUM, CHIP 68uF 10% 6.3V
C24	1-135-167-21	s	TANTALUM, CHIP 68uF 10% 6.3V
C25	1-163-809-11	s	CERAMIC, CHIP 0.047uF 10% 25V
C26	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C27	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C28	1-162-959-11	s	CERAMIC, CHIP 330PF 5% 50V
C29	1-135-164-21	s	TANTALUM, CHIP 22uF 10% 16V
C30	1-109-900-11	s	CERAMIC 470PF 5% 200
C31	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C32	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C33	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C34	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
CN1	1-760-388-11	o	CONNECTOR PIN (SMD) 9 PIN
CN2	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN3	1-580-055-21	o	PIN, CONNECTOR (SMD) 2P
CT1	1-426-884-11	s	TRANSFORMER, BIAS OSCILLATION
CV1	1-141-365-11	s	CAP, TRIMMER 100PF
D1	8-719-941-86	s	DIODE DAN202U
D2	8-719-941-86	s	DIODE DAN202U
IC1	8-759-710-28	s	IC NJM4565M-A
IC2	8-759-710-28	s	IC NJM4565M-A
IC3	8-759-710-28	s	IC NJM4565M-A
IC4	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC5	8-759-523-78	s	IC TC74VHC00FT(EL)
L1	1-408-797-11	s	INDUCTOR, CHIP 470uH
L2	1-408-785-21	s	INDUCTOR, CHIP 47uH
LV1	1-410-853-21	s	COIL, VAR 4.5uH
Q1	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q2	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q3	8-729-105-37	s	TRANSISTOR 2SC3360-N16
Q4	8-729-105-37	s	TRANSISTOR 2SC3360-N16
Q5	8-729-105-37	s	TRANSISTOR 2SC3360-N16

(CUE-2 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q6	8-729-105-37	s	TRANSISTOR 2SC3360-N16
Q7	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q8	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q9	8-729-105-08	s	TRANSISTOR 2SA1330
Q10	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q11	8-729-824-34	s	TRANSISTOR 2SJ187
Q12	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q13	8-729-209-07	s	TRANSISTOR 2SC4213-B
R1	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R2	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R4	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R5	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R6	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R7	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R9	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R10	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R11	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R12	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R13	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R14	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R15	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R16	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R17	1-216-855-11	s	METAL, CHIP 680K 5% 1/16W
R18	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R19	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R20	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R21	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R22	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R23	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R24	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R25	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R26	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R27	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R28	1-216-850-11	s	METAL, CHIP 270K 5% 1/16W
R29	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R30	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R31	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R32	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R33	1-218-678-11	s	METAL, CHIP 270 0.50% 1/16W
R34	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R35	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R36	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R37	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R38	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R39	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R40	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R41	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R42	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R43	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R44	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R45	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R46	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W
R47	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W
RV1	1-241-263-11	s	RES, ADJ, METAL 5K
RV2	1-241-266-11	s	RES, ADJ, METAL 50K
RV3	1-241-263-11	s	RES, ADJ, METAL 5K
RV4	1-241-263-11	s	RES, ADJ, METAL 5K

DC-101 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-255-A	o	MOUNTED CIRCUIT BOARD, DC-101
1pc	1-573-176-11	o	CONTACT, FEMALE AWG22-26
1pc	1-580-582-11	o	HOUSING, 12P
1pc	1-959-393-11	o	HARNESS, SUB (CNB11-BATT IN)
C1	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C2	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C3	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C4	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C5	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C6	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C7	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
FL1	1-414-581-21	s	FERRITE 0uH
FL2	1-414-581-21	s	FERRITE 0uH
FL3	1-239-896-12	s	FILTER, EMI (SMD)
FL4	1-239-896-12	s	FILTER, EMI (SMD)
FL5	1-239-896-12	s	FILTER, EMI (SMD)
FL6	1-414-581-21	s	FERRITE 0uH
FL7	1-414-581-21	s	FERRITE 0uH

DC-106 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-464-A	o	MOUNTED CIRCUIT BOARD, DC-106
1pc	1-553-442-21	s	SWITCH, MICRO
9pcs	1-562-260-11	o	CONTACT, SOCKET
1pc	1-580-696-11	o	HOUSING 9P
1pc	1-959-390-11	o	HARNESS, SUB (CNB11-DC106)
1pc	7-623-505-01	s	LUG, 2
C1	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C2	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C3	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C4	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
CN1	1-564-603-31	s	CONNECTOR (WITH DC SW) 4P
CN2	1-565-899-11	o	PIN, CONNECTOR 4P
E1	1-535-881-21	o	TERMINAL, TP (AUTO INSERTION)
FL1	1-414-581-21	s	FERRITE 0uH
FL2	1-414-581-21	s	FERRITE 0uH
FL3	1-414-581-21	s	FERRITE 0uH
FL4	1-414-581-21	s	FERRITE 0uH

DCP-17 BOARD

Note
*d: Serial No. 10056 and higher (707 SY)
30016 and higher (707 J/709WS J/ 790WS J)
10141 and higher (709WS SY)
10191 and higher (790WS SY)
40226 and higher (707P)
40346 and higher (709WSP)
40611 and higher (790WSP)
*e: Serial No. 10001 through 10055 (707 SY)
30001 through 30015 (707 J/709WS J/790WS J)
10001 through 10140 (709WS SY)
10001 through 10190 (790WS SY)
40001 through 40225 (707P)
40001 through 40345 (709WSP)
40001 through 40610 (790WSP)
*f: Serial No. 10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10115 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10105 (790WS SY)
40001 through 40120 (707P)
40001 through 40205 (709WSP)
40001 through 40390 (790WSP)
*g: Serial No. 10116 through 10140 (709WS SY)
30011 through 30015 (707 J)
30006 through 30015 (709WS J/790WS J)
10106 through 10160 (790WS SY)
40121 through 40215 (707P)
40206 through 40305 (709WSP)
40391 through 40590 (790WSP)
*a": Serial No.10056 and higher (707 SY)
30016 and higher (707 J)
10141 and higher (709WS SY)
30016 and higher (709WS J/790WS J)
10161 and higher (790WS SY)
40216 and higher (707P)
40306 and higher (709WSP)
40591 and higher (790WSP)
*h: Serial No. 10056 and higher (707 SY)
30011 and higher (707 J)
10116 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10106 and higher (790WS SY)
40121 and higher (707P)
40206 and higher (709WSP)
40391 and higher (790WSP)
*i: Serial No. 10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10115 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10105 (790WS SY)
40001 through 40120 (707P)
40001 through 40205 (709WSP)
40001 through 40390 (790WSP)
*j: Serial No. 10056 and higher (707 SY)
30011 and higher (707 J)
10106 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10091 and higher (790WS SY)
40121 and higher (707P)
40191 and higher (709WSP)
40336 and higher (790WSP)
*k: Serial No. 10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10105 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10090 (790WS SY)
40001 through 40120 (707P)
40001 through 40190 (709WSP)
40001 through 40335 (790WSP)
*m: Serial No. 10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10105 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10090 (790WS SY)
40001 through 40120 (707P)
40001 through 40190 (709WSP)
40001 through 40335 (790WSP)

(DCP-17 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-481-A	o	MOUNTED CIRCUIT BOARD, DCP-17
2pcs	3-603-737-02	o	LEVER,BOARD
5pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
C1	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C6	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C7	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C8	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C9	1-113-987-11	s	TANTALUM, CHIP 4.7uF 20% 25V
C10	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C11	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C12	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C15	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C16	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C30	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C32	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C35	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C36	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C42	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C43	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C44	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C45	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C46	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C51	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C53	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C54	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C55	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C56	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C58	1-164-346-11	s	CERAMIC 1uF 16V
C59	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C60*d	1-115-467-11	s	CAPACITOR, CERAMIC, 0.22MF 10V
C60*e	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

(DCP-17 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C61	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C62	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C63	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C64	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C65	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C66	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C67	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C78	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C79	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C80	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C81	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C82	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C83	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C84	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C85	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C86	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C87	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C93	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C102	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C103	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C105	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C109	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C112	1-164-346-11	s	CERAMIC 1uF 16V
C113	1-164-346-11	s	CERAMIC 1uF 16V
C114	1-164-346-11	s	CERAMIC 1uF 16V
C115	1-164-346-11	s	CERAMIC 1uF 16V
C116	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C117	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C118	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C123	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C124	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C135	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C136	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C147	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C152	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C155	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C156	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C157	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C158	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C159	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C160	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C161	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C162	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C163	1-164-346-11	s	CERAMIC 1uF 16V
C175	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C177	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C178	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C180	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C181	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C182	1-164-346-11	s	CERAMIC 1uF 16V
C183	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C184	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C185	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C188	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C189	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C190	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C191	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C193	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

(DCP-17 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C194	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C195	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C196	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C197	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C199	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C200	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C201	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C202	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C203	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C204	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C205	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C219	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C221	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C222	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C228	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C229	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C230	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C231	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C234	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C237	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C238	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C239	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C240	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C241	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C247	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C248	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C249	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C259	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C260	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C261	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C262	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C263	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C264	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C265	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C267	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C268	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C269	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C295	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C300	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C301	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C315	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C316	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C318	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C319	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C327	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C328	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C329	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C330	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C331	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C332	1-162-924-11	s	CERAMIC 56PF 5% 50V
C333	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C335	1-162-924-11	s	CERAMIC 56PF 5% 50V
C336	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C337	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C338	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C340	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C341	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C342	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C343	1-162-908-11	s	CERAMIC, CHIP 3PF 50V
C345	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C346	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C348	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C349	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C354	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C355	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C356	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C357	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C358	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C359	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C360	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C362	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C363	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C365	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C403	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C404	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C407	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C408	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C409	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C410	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C411	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V
C416	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C417	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C420	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C421	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C423	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C424	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C425	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C426	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C429	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C430	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C432	1-113-992-11	s	TANTALUM, CHIP 3.3uF 20% 35V
C433	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C434	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C435	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C437	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C438	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C441	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C443	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C444	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C445	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C446	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C447	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C448	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C449	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C450	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C451	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C453	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C462	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C465	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C466	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C467	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C471	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C472	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C473	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C475	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C478	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C479	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C480	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C481	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C482	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C483	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C484	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C485	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C486	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C487	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C488	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C499	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C500	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C501	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C502	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C506	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C507	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C508	1-162-905-11	s	CERAMIC, CHIP 1PF 50V
C509	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C510	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C511	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C532	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C534	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C535	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C536	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C537	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C538	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C539	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C540	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C541	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C542	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C543	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C544	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C545	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C546	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C547	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C548	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C549	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C550	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C551	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C552	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C553	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C554	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C555	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C556	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C557	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C558	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C559	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C560	1-164-230-11	s	CERAMIC 220PF 5% 50V
C561	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C562	1-164-230-11	s	CERAMIC 220PF 5% 50V
C563	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C564	1-164-230-11	s	CERAMIC 220PF 5% 50V
C565	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C566	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C567	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C568	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C570	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C571	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C572	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C573	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C576	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C577	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C591	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C592	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C593	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C594	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C595	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C596	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C597	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C598	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C599	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C600	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C601	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C602	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C603	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C607	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C608	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C609	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C610	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C611	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C612	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C613	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C614	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C615	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C616	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C793	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C796	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C797	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C798	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C799	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C801	1-162-959-11	s	CERAMIC, CHIP 330PF 5% 50V
C802	1-104-555-11	s	FILM, CHIP 0.022uF 5% 16V
C803	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C804	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C805	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C806	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C807	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C808	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C809	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C810	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C811	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C812	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C813	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C814	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C815	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C816	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C817	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C818	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C819	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C821	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C822	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V

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C823	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V
C824	1-113-987-11	s	TANTALUM, CHIP 4.7uF 20% 25V
C825	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C826	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C827	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C828	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C829	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C830	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C831	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C832	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C834	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C835	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C836	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C837	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C838	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C839	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN2	1-695-453-11	s	CONNECTOR, BOARD TO BOARD 50P
CN6	1-778-006-21	o	CONNECTOR, BOARD TO BOARD 20P
CN9	1-770-677-11	o	CONNECTOR, BOARD TO BOARD 50P
CN11	1-778-006-21	o	CONNECTOR, BOARD TO BOARD 20P
CN12	1-778-552-11	o	PIN, CONNECTOR 30P
CN13	1-778-551-11	o	PIN, CONNECTOR 20P
CN14	1-770-677-11	o	CONNECTOR, BOARD TO BOARD 50P
CP1	1-767-695-21	s	OSCILLATOR, CRYSTAL
D2	8-719-029-59	s	DIODE RD3.0UH-T1
D3	8-719-029-59	s	DIODE RD3.0UH-T1
D4	8-719-029-59	s	DIODE RD3.0UH-T1
D5	8-719-029-63	s	DIODE RD4.3UH-T1
D6	8-719-017-42	s	DIODE HSM88WA
D7	8-719-404-35	s	DIODE MA141WK
D8	8-719-029-63	s	DIODE RD4.3UH-T1
D9	8-719-029-63	s	DIODE RD4.3UH-T1
D10	8-719-404-35	s	DIODE MA141WK
D11	8-719-029-59	s	DIODE RD3.0UH-T1
D13	8-719-948-48	s	DIODE HSM88AS-TL
D14	8-719-948-48	s	DIODE HSM88AS-TL
D15	8-719-820-41	s	DIODE 1SS302
D16	8-719-820-41	s	DIODE 1SS302
D40	8-719-820-41	s	DIODE 1SS302
D41	8-719-948-48	s	DIODE HSM88AS-TL
D51	8-719-820-41	s	DIODE 1SS302
D55	8-719-820-41	s	DIODE 1SS302
D56	8-719-820-41	s	DIODE 1SS302
D57	8-719-948-48	s	DIODE HSM88AS-TL
D69	8-719-029-63	s	DIODE RD4.3UH-T1
IC1	8-749-014-35	s	IC HCPL-0630-500
IC2	8-759-196-96	s	IC TC7SH08FU-TE85R
IC3	8-759-196-93	s	IC TC7SH00FU-TE85R
IC4	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC5	8-759-257-96	s	IC TC7S14FU(TE85R)
IC6	8-759-523-96	s	IC TC74VHC86FT(EL)
IC7	8-759-257-96	s	IC TC7S14FU(TE85R)
IC8	8-759-058-62	s	IC TC7S08FU(TE85R)
IC9	8-759-561-68	s	IC AM26C31CDB-E05
IC10*f	8-759-663-03	o	IC 29F040-DVW709AT10-V1.11
IC10*g	8-759-670-90	o	IC 29F040-DVW709AT10-V1.12
IC10*a″	8-759-689-46	o	IC 29F040-DVW709AT10-V1.13

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IC11*f	8-759-663-04	o	IC 29F040-DVW709AT11-V1.11
IC11*g	8-759-670-91	o	IC 29F040-DVW709AT11-V1.12
IC11*a″	8-759-689-47	o	IC 29F040-DVW709AT11-V1.13
IC12	8-759-497-31	s	IC LC35256DT-70-TLM
IC13	8-759-635-27	s	IC M62352GP
IC14	8-759-497-31	s	IC LC35256DT-70-TLM
IC15	8-759-277-99	s	IC CXD8889R
IC16	8-759-083-94	s	IC TC7W74FU
IC17	8-759-096-87	s	IC TC7WU04FU(TE12R)
IC18	8-759-271-86	s	IC TC7SH04FU
IC19	8-752-386-51	s	IC CXD3122R
IC20	8-759-524-09	s	IC TC74VHC153FT(EL)
IC21	8-759-524-09	s	IC TC74VHC153FT(EL)
IC22	8-759-523-95	s	IC TC74VHC74FT(EL)
IC23	8-759-348-79	s	IC TE7751
IC24	8-759-082-58	s	IC TC7W08FU
IC25	8-759-196-93	s	IC TC7SH00FU-TE85R
IC26	8-759-523-95	s	IC TC74VHC74FT(EL)
IC27	8-759-196-93	s	IC TC7SH00FU-TE85R
IC28	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC29	8-752-386-51	s	IC CXD3122R
IC30	8-759-530-31	s	IC TC74VHC4040FT(EL)
IC31	8-759-196-96	s	IC TC7SH08FU-TE85R
IC32	8-759-196-93	s	IC TC7SH00FU-TE85R
IC33	8-759-277-63	s	IC TC7W14FU(TE12R)
IC34	8-759-066-68	s	IC REF-03GS
IC35	8-759-076-06	s	IC TL064CPW
IC36	8-759-196-97	s	IC TC7SH32FU-TE85R
IC37	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC38	8-759-082-61	s	IC TC4W53FU
IC39	8-759-488-91	s	IC SN74CBT16212DGGR
IC40	8-752-375-98	s	IC CXD2315Q
IC41	8-759-083-94	s	IC TC7W74FU
IC42	8-759-058-64	s	IC TC7S32FU(TE85R)
IC43	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC44	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC45	8-759-256-90	s	IC NJU7021V-TE2
IC46	8-759-049-86	s	IC SN74HCT244APW-E05
IC47	8-759-058-58	s	IC TC7S04FU(TE85R)
IC48	8-759-523-95	s	IC TC74VHC74FT(EL)
IC49	8-759-082-59	s	IC TC7W32FU
IC50	8-759-096-87	s	IC TC7WU04FU(TE12R)
IC51	8-759-529-76	s	IC TC74VHC595FT(EL)
IC52	8-759-456-26	s	IC 74LCX541MTCX
IC53	8-759-635-27	s	IC M62352GP
IC54	8-759-196-97	s	IC TC7SH32FU-TE85R
IC55	8-759-051-48	s	IC SN74HCT541APW-E05
IC56	8-759-523-04	s	IC TC74HC4538AFT(EL)
IC57	8-759-271-86	s	IC TC7SH04FU
IC58	8-759-523-78	s	IC TC74VHC00FT(EL)
IC59	8-759-523-82	s	IC TC74VHC10FT(EL)
IC60	8-752-363-60	s	IC CXD2307R-T6
IC61	8-752-363-60	s	IC CXD2307R-T6
IC62	8-759-524-52	s	IC TC74VHC574FT(EL)
IC63	8-759-196-93	s	IC TC7SH00FU-TE85R
IC64	8-759-256-90	s	IC NJU7021V-TE2
IC65	8-759-524-51	s	IC TC74VHC573FT(EL)
IC66	8-759-196-97	s	IC TC7SH32FU-TE85R
IC67	8-759-524-10	s	IC TC74VHC157FT(EL)
IC68	8-759-058-64	s	IC TC7S32FU(TE85R)
IC69	8-759-523-95	s	IC TC74VHC74FT(EL)
IC70	8-759-196-97	s	IC TC7SH32FU-TE85R

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Ref. No. or Q'ty	Part No.	SP	Description
IC71	8-752-381-65	o	IC CXD606-101R
IC72	8-759-439-40	o	IC HD6473308RF-DVW700COMV1.00
IC73	8-759-386-26	s	IC 74LCX574MTCX
IC74	8-759-524-10	s	IC TC74VHC157FT(EL)
IC75	8-759-196-96	s	IC TC7SH08FU-TE85R
IC76	8-759-277-63	s	IC TC7W14FU(TE12R)
IC77	8-759-083-94	s	IC TC7W74FU
IC78	8-759-196-93	s	IC TC7SH00FU-TE85R
IC79	8-759-523-95	s	IC TC74VHC74FT(EL)
IC80	8-759-082-58	s	IC TC7W08FU
IC81	8-759-529-76	s	IC TC74VHC595FT(EL)
IC82	8-759-271-86	s	IC TC7SH04FU
IC83	8-759-257-96	s	IC TC7S14FU(TE85R)
IC84	8-759-082-61	s	IC TC4W53FU
IC85	8-759-082-59	s	IC TC7W32FU
IC86	8-759-075-53	s	IC LM35DM
IC87	8-759-271-86	s	IC TC7SH04FU
IC88	8-759-196-96	s	IC TC7SH08FU-TE85R
IC89	8-759-271-86	s	IC TC7SH04FU
IC90	8-759-058-62	s	IC TC7S08FU(TE85R)
IC91	8-759-523-95	s	IC TC74VHC74FT(EL)
IC92	8-759-196-93	s	IC TC7SH00FU-TE85R
IC93	8-759-159-52	s	IC NJU7024M
IC94	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC95	8-759-546-74	s	IC TC7WH157FU(TE12R)
IC96	8-759-271-86	s	IC TC7SH04FU
IC97	8-759-196-96	s	IC TC7SH08FU-TE85R
IC100	8-759-523-01	s	IC TC74HC4052AFT(EL)
IC101	8-759-054-61	s	IC CLC505AJE
IC102	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC103	8-759-049-60	s	IC SN74HC08APW-E05
IC104	8-759-054-61	s	IC CLC505AJE
IC105	8-759-082-61	s	IC TC4W53FU
IC106	8-759-049-60	s	IC SN74HC08APW-E05
IC107	8-759-049-96	s	IC SN74HC32APW-E05
IC108	8-759-082-58	s	IC TC7W08FU
IC122	8-759-252-59	s	IC MAX202CSE
IC123	8-759-242-78	s	IC TC7W02F
IC126	8-759-399-53	s	IC MAX703CSA-TE2
IC128	8-759-058-64	s	IC TC7S32FU(TE85R)
IC129	8-759-159-52	s	IC NJU7024M
IC130	8-759-082-61	s	IC TC4W53FU
IC131	8-759-159-52	s	IC NJU7024M
IC132	8-759-256-90	s	IC NJU7021V-TE2
IC133	8-759-059-50	s	IC MB88351PFV
IC134	8-759-296-67	s	IC HD6417032F20
IC135	8-759-149-10	s	IC UPD4702G
IC137	8-759-524-07	s	IC TC74VHC138FT(EL)
IC140	8-759-165-37	s	IC X24164SIC7000
IC148	8-759-533-95	s	IC UPD6466GS-515
IC149	8-759-082-61	s	IC TC4W53FU
IC150	8-759-082-61	s	IC TC4W53FU
IC152	8-759-571-46	s	IC STK14C88-N45I
IC153	8-759-524-50	s	IC TC74VHC541FT(EL)
IC154	8-759-524-50	s	IC TC74VHC541FT(EL)
IC157	8-759-524-50	s	IC TC74VHC541FT(EL)
IC158	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC161	8-759-154-60	s	IC UPD71055GB-10-3B4
IC162	8-759-399-51	s	IC 74LVX4245QSCX

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Ref. No. or Q'ty	Part No.	SP	Description
IC163	8-759-196-96	s	IC TC7SH08FU-TE85R
IC164	8-759-277-63	s	IC TC7W14FU(TE12R)
IC165	8-759-254-49	s	IC EL4581CS-TE2
IC166	8-759-058-58	s	IC TC7S04FU(TE85R)
IC167	8-759-082-61	s	IC TC4W53FU
IC168	8-759-058-58	s	IC TC7S04FU(TE85R)
IC181	8-759-497-31	s	IC LC35256DT-70-TLM
IC182	8-759-182-95	s	IC HD151015T
IC183	8-759-523-78	s	IC TC74VHC00FT(EL)
IC186	8-759-271-86	s	IC TC7SH04FU
IC187	8-752-363-60	s	IC CXD2307R-T6
IC189	8-759-050-50	s	IC SN74HCT04APW-E05
IC190	8-759-082-61	s	IC TC4W53FU
IC191	8-759-399-55	s	IC TL054CDB-E05
IC192	8-759-082-61	s	IC TC4W53FU
IC193	8-759-082-61	s	IC TC4W53FU
IC203	8-759-058-58	s	IC TC7S04FU(TE85R)
IC204	8-759-082-58	s	IC TC7W08FU
IC206	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC207	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC208	8-759-524-50	s	IC TC74VHC541FT(EL)
IC209	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC242	8-759-082-61	s	IC TC4W53FU
IC243	8-759-287-54	s	IC TL084CPW-E20
IC244	8-759-082-61	s	IC TC4W53FU
IC245	8-759-076-06	s	IC TL064CPW
IC248	8-759-064-36	s	IC MB88346BPFV
IC249	8-759-064-36	s	IC MB88346BPFV
IC250	8-759-064-36	s	IC MB88346BPFV
IC251	8-759-064-36	s	IC MB88346BPFV
IC252	8-759-064-36	s	IC MB88346BPFV
IC253	8-759-064-36	s	IC MB88346BPFV
IC254	8-759-076-06	s	IC TL064CPW
IC255	8-759-287-54	s	IC TL084CPW-E20
IC256	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC258	8-759-058-58	s	IC TC7S04FU(TE85R)
IC259	8-759-058-54	s	IC TC7S00FU(TE85R)
IC260	8-759-173-16	s	IC TL062CPW
IC261	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC262	8-759-524-19	s	IC TC74VHC164FT(EL)
IC263	8-759-196-96	s	IC TC7SH08FU-TE85R
IS10	1-540-151-21	s	SOCKET, IC
IS11	1-540-151-21	s	SOCKET, IC
L1	1-412-951-11	s	INDUCTOR 10uH
L2	1-412-951-11	s	INDUCTOR 10uH
L3	1-412-951-11	s	INDUCTOR 10uH
L4	1-410-377-31	s	INDUCTOR, CHIP 4.7uH
L5	1-412-951-11	s	INDUCTOR 10uH
L6	1-412-951-11	s	INDUCTOR 10uH
L7	1-410-373-31	s	INDUCTOR CHIP 2.2uH
L9	1-412-951-11	s	INDUCTOR 10uH
L10	1-412-951-11	s	INDUCTOR 10uH
L11	1-424-643-11	s	INDUCTOR 0uH
L12	1-424-643-11	s	INDUCTOR 0uH
L13	1-424-643-11	s	INDUCTOR 0uH
L14	1-424-643-11	s	INDUCTOR 0uH
L15	1-424-643-11	s	INDUCTOR 0uH
L16	1-424-643-11	s	INDUCTOR 0uH

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Ref. No. or Q'ty	Part No.	SP	Description
L18	1-424-643-11	s	INDUCTOR 0uH
L22	1-412-955-11	s	INDUCTOR 22uH
L23	1-412-955-11	s	INDUCTOR 22uH
L31	1-412-951-11	s	INDUCTOR 10uH
L34	1-412-951-11	s	INDUCTOR 10uH
L35	1-412-951-11	s	INDUCTOR 10uH
L36	1-412-951-11	s	INDUCTOR 10uH
L45	1-412-951-11	s	INDUCTOR 10uH
L46	1-412-951-11	s	INDUCTOR 10uH
L47	1-412-951-11	s	INDUCTOR 10uH
L48	1-412-951-11	s	INDUCTOR 10uH
Q1	8-729-403-32	s	TRANSISTOR XN6534
Q2	8-729-403-32	s	TRANSISTOR XN6534
Q3	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q4	8-729-117-32	s	TRANSISTOR 2SC4177
Q5	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q6	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q7	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q8	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q9	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q10	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q11	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q12	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q14	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q23	8-729-820-86	s	TRANSISTOR 2SB1121-ST
Q24	8-729-014-93	s	TRANSISTOR 2SB1440S-TX
Q25	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q38	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q47	8-729-117-32	s	TRANSISTOR 2SC4177
Q48	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q50	8-729-403-32	s	TRANSISTOR XN6534
Q53	8-729-122-63	s	TRANSISTOR 2SA1226
Q54	8-729-403-32	s	TRANSISTOR XN6534
Q55	8-729-403-29	s	TRANSISTOR XN6435
Q56	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q59	8-729-403-29	s	TRANSISTOR XN6435
Q60	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q61	8-729-117-32	s	TRANSISTOR 2SC4177
Q63	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q64	8-729-117-32	s	TRANSISTOR 2SC4177
Q65	8-729-403-32	s	TRANSISTOR XN6534
Q66	8-729-403-32	s	TRANSISTOR XN6534
Q67	8-729-402-19	s	TRANSISTOR XN6501
Q68	8-729-402-19	s	TRANSISTOR XN6501
Q69	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q71	8-729-403-29	s	TRANSISTOR XN6435
Q73	8-729-403-29	s	TRANSISTOR XN6435
Q75	8-729-117-32	s	TRANSISTOR 2SC4177
Q91	8-729-402-19	s	TRANSISTOR XN6501
Q92	8-729-117-32	s	TRANSISTOR 2SC4177
Q105	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q106	8-729-117-32	s	TRANSISTOR 2SC4177
Q107	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q108	8-729-117-32	s	TRANSISTOR 2SC4177
Q109	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q110	8-729-117-32	s	TRANSISTOR 2SC4177
Q197	8-729-117-32	s	TRANSISTOR 2SC4177
Q198	8-729-117-32	s	TRANSISTOR 2SC4177

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Ref. No. or Q'ty	Part No.	SP	Description
Q199	8-729-117-32	s	TRANSISTOR 2SC4177
Q200	8-729-117-32	s	TRANSISTOR 2SC4177
Q201	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q202	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q203	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q204	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q205	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q206	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q207	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q208	8-729-117-32	s	TRANSISTOR 2SC4177
Q209	8-729-117-32	s	TRANSISTOR 2SC4177
Q210	8-729-117-32	s	TRANSISTOR 2SC4177
Q211	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q332	8-729-117-32	s	TRANSISTOR 2SC4177
Q1000	8-729-403-32	s	TRANSISTOR XN6534
Q1001	8-729-122-63	s	TRANSISTOR 2SA1226
Q1002	8-729-403-32	s	TRANSISTOR XN6534
R1	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R2	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R3	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R4	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R5	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R6	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R7	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R8	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R9	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R10	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R11	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R12	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R13	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R14	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R15	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R17	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R19	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R20	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R21	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R22	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R23	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R24	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R25	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R26	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R27	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R28	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R29	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R30	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R31	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R32	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R33	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R34	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R35	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R36	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R37	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R38	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R39	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R40	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R41	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R42	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R43	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R44	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R45	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R48	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R49	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R50	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R51	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R52	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R53	1-218-718-11	s	METAL, CHIP 12K 0.50% 1/16W
R54	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R55	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R56	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R57	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R58	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R59	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R60	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R61	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R62	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R63	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R64	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R65	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R66	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R67	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W
R68	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R69	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R70*h	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R70*i	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R71	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R72	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R73	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R74	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R75	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R76	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R77	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R78	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R79	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R80	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R81	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R83	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R84	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R85	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R86	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R87	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R88	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R89	1-216-864-11	s	METAL, CHIP 0.50% 1/16W
R90	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R91	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R92	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R93	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R94	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R95	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R96	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R97	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R98	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R99	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R100	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R101	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R102	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R103	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R105	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R106	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R107	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R108	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R109	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R110	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R112	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R113	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R114	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R115	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R116	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R117	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R118	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R119	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R121	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R122	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R123	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R124	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R125	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R126	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R128	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R129	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R130	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R132	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R133	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R134	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R135	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R137	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R138	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R139	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R140	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R141	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R142	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R145	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R146	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R147	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R148	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R149	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R150	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R151	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R152	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R153	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R154	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R155	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R156	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R157	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R158	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R159	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R160	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R163	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R164	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R166	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R168	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R169	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R170	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R173	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R175	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R176	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R177	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R178	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R179	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R183	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R185	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R188	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R190	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R191	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R192	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R193	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R196	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R197*j	1-216-864-11	s	CONDUCTOR, CHIP 0 1/16W
R198	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R199	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R200	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R201	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R202	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R203	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R204	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R205	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R206	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R207	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R208	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R209	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R210	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R211	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R212	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R213	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R214	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R215	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R216	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R217	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R218	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R219	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R220	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R221	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R222	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R223	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R224	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R225	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R226	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R227	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R228	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R229	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R230	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R231	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R232	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R233	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R234	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R235	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R236	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R237	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R238	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R239	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R240	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R241	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R242	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R243	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R244	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R245	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R246	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R248	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R249	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R250	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R251	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R252	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R254	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R255	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R256	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R257	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R258	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R259	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R260	1-218-670-11	s	METAL, CHIP 120 0.50% 1/16W
R261	1-218-670-11	s	METAL, CHIP 120 0.50% 1/16W
R262	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R263	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R271	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R272	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R273	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R275	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R276	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R277	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R278	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R280	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R282	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R283	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R287	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R288	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R289	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R291	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R293	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R295	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R297	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R298	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R300	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R301	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R302	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R303	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R304	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R305	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R306	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R308	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R309	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R310	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R311	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R312	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R313	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R316	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R317	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R318	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R319	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R320	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R321	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R322	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R323	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R326	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R327	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R329	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R330	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R331	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R332	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R333	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R334	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R335	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R336	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R337	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R338	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R339	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R341	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R350	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R351	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R352	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R353	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R354	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R355	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R356	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R357	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R358	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R359	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R360	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R361	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R365	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R367	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R368	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R369	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R370	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R371	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R372	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R373	1-218-718-11	s	METAL, CHIP 12K 0.50% 1/16W
R374	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R375	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R376	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R377	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R378	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R379	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R380	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R381	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R382	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R383	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R384	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R385	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R386	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R387	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R389	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R390	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R391	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R392	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R393	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R394	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R395	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R396	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R398	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R399	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R400	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R401	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R402	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R403	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R404	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R405	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R406	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R407	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R408	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R409	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R410	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R411	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R412	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R413	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R414	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R415	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R416	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R417	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R418	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R419	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R420	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R421	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R422	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R423	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R424	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R425	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R426	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R427	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R428	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R429	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R430	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R431	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R432	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R433	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R434	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R435	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R436	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R437	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R438	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R439	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R440	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R441	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W
R443	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R444	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R445	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R446	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R456	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R461	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R462	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R463	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R464	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R500	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R501	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R502	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R503	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R504	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R505	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R506	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R507	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R508	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R509	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R510	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R511	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R512	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R513	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R526	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R529	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R533	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R536	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R537	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R538	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R539	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R542	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R543	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R544	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R545	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R546	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R547	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R548	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R549	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R560	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R561	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R562	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R563*k	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R564	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R565*j	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R565*m	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R566	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R567	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R568	1-216-855-11	s	METAL, CHIP 680K 5% 1/16W
R569	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R570	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R571	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R572	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R591	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R606	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R607	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R608	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R609	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R610	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R611	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R613	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R619	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R620	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R625	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R628	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R630	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R631	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R632	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R634	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R636	1-216-855-11	s	METAL, CHIP 680K 5% 1/16W
R637	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R638	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R640	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R641	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R694	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R695	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R696	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R698	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R700	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R702	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R703	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R704	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R705	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R706	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R707	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R710	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R711	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R712	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R713	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R714	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R715	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R716	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R717	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R718	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R719	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R720	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R721	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R722	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R723	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R724	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R725	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R726	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R727	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R728	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R729	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R730	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R731	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R732	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R733	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R734	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R735	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R736	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R737	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R738	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R739	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R741	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R744	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R745	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R746	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R748	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R751	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R752	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R753	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R755	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R802	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R809	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R810	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R811	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R812	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R813	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R814	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R816	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R817	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R821	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R822	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R823	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R824	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R825	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R826	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R827	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R828	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R829	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R830	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R831	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R832	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R833	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R834	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R835	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R836	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R837	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R838	1-216-861-11	s	METAL, CHIP 2.2M 5% 1/16W
R839	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R840	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R841	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R842	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R843	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R844	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R845	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R846	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R847	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R848	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R849	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R850	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R851	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R852	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R853	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R854	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R855	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R856	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R857	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R858	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R859	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R860	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R861	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R862	1-216-854-11	s	METAL, CHIP 560K 5% 1/16W
R863	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R864	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R865	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R866	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R867	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R868	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R869	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R870	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R871	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R872	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R873	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R874	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R875	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R876	1-216-854-11	s	METAL, CHIP 560K 5% 1/16W
R877	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R878	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R879	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R880	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R881	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R882	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R883	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R884	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R885	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R886	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R887	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R888	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R889	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R890	1-216-854-11	s	METAL, CHIP 560K 5% 1/16W
R891	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R892	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R893	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R894	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R895	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R896	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R898	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R899	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R900	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R901	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R902	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R903	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R904	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R905	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R906	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R907	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R908	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R909	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R910	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R912	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R913	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R914	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R915	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R916	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R917	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R919	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R920	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R1261	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R1292	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R1365	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
RB1	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB2	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB3	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB4	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB5	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB6	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB7	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB8	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB15	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB16	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB18	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB19	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB20	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB21	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB22	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB24	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB25	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB26	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB30	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB31	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB32	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB33	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB34	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB35	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB36	1-239-286-11	s	RESISTOR BLOCK, CHIP 22K
RB43	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB44	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB46	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB47	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB49	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4

(DCP-17 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB51	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB52	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB55	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB56	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB57	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB58	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB59	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB60	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB61	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB62	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB63	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
S1	1-771-140-11	s	SWITCH, SLIDE
S4	1-692-271-31	s	SWITCH, SLIDE
X1	1-767-438-11	s	VIBRATOR, CRYSTAL
X2	1-760-273-11	s	CRYSTAL 20MHz
X3	1-760-435-11	s	CRYSTAL 18.00MHz

DR-387 BOARD

Note
*n: Serial No.10001 through 10020 (707 SY)
30001 through 30010 (707 J)
10001 through 10035 (709WS SY/790WS SY)
30001 through 30005 (709WS J/790WS J)
40001 through 40035 (707P)
40001 through 40100 (709WSP)
40001 through 40085 (790WSP)
*p: Serial No.10021 and higher (707 SY)
30006 and higher (707 J/709WS J/790WS J)
10036 and higher (709WS SY/790WS SY)
40036 and higher (707P)
40101 and higher (709WSP)
40086 and higher (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C2	1-126-768-11	s	ELECT 2200uF 20% 16V
C3	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C4	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C5	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C6	1-104-665-11	s	ELECT 100uF 20% 25V
C7*n	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C8	1-164-230-11	s	CERAMIC 220PF 5% 50V
C9	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C10	1-128-528-11	s	ELECT 470uF 20% 16V
C11	1-104-478-11	s	TANTAUM, CHIP 10uF 20% 35V
C12	1-104-478-11	s	TANTAUM, CHIP 10uF 20% 35V
C13	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C14	1-126-942-61	s	ELECT 1000uF 20% 25V
C15	1-104-478-11	s	TANTAUM, CHIP 10uF 20% 35V
C16	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C26	1-113-984-11	s	TANTALUM 1.5uF 20% 35V
C27	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C28	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C29	1-135-212-21	s	TANTALUM, CHIP 2.2uF 20% 35V
C30	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C31	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C32	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C33	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C34	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C37	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C38	1-164-230-11	s	CERAMIC 220PF 5% 50V
C39	1-110-398-11	s	TANTALUM, CHIP 15uF 20% 35V
C40	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C41	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C42	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C43	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C44	1-110-398-11	s	TANTALUM, CHIP 15uF 20% 35V
C45	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C46	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C47	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50*p	1-131-349-21	s	CAP, TANTALUM ELECT 2.2MF/35V
CN1	1-568-335-11	s	CONNECTOR, BOARD TO BOARD 18P
CN2	1-766-382-11	o	PIN, CONNECTOR (1.5MM)(SMD)10P
CN3	1-695-442-21	o	PIN, CONNECTOR (PC BOARD) 10P
CN5	1-568-335-11	s	CONNECTOR, BOARD TO BOARD 18P
CN6	1-691-942-11	s	CONNECTOR, BOARD TO BOARD 30P
CN7	1-573-310-11	s	CONNECTOR, BOARD TO BOARD 20P
CN8	1-573-290-21	s	PIN, CONNECTOR (1.5MM) (SMD)4P
D1	8-719-210-39	s	DIODE EC10QS04-TE12L5
D2	8-719-210-39	s	DIODE EC10QS04-TE12L5
D3	8-719-104-34	s	DIODE 1S2835
D4	8-719-104-34	s	DIODE 1S2835
D5	8-719-104-34	s	DIODE 1S2835
D6	8-719-800-76	s	DIODE 1SS226
D8	8-719-029-57	s	DIODE RD2.4UH-T1
D9	8-719-041-68	s	DIODE RD3.3UH-T1
D10	8-719-948-48	s	DIODE HSM88AS-TL
D11	8-719-948-48	s	DIODE HSM88AS-TL
IC1	8-759-175-04	s	IC PCF8574T-T
IC2	8-759-234-20	s	IC TC7S08F
IC3	8-759-172-33	s	IC UPD16502GS(1)
IC4	8-759-172-33	s	IC UPD16502GS(1)
IC5	8-759-172-33	s	IC UPD16502GS(1)
IC6	8-759-172-33	s	IC UPD16502GS(1)
IC7	8-759-172-33	s	IC UPD16502GS(1)
IC8	8-759-172-33	s	IC UPD16502GS(1)
IC9	8-759-979-69	s	IC TSC426C0A
IC10	8-759-076-06	s	IC TL064CPW
IC11	8-759-234-77	s	IC TC4S66F
IC12	8-759-337-40	s	IC NJM2904V(TE2)
IC13	8-759-196-96	s	IC TC7SH08FU-TE85R
IC14	8-759-196-96	s	IC TC7SH08FU-TE85R
IC17	8-759-082-61	s	IC TC4W53FU
IC18	8-759-082-61	s	IC TC4W53FU
IC19	8-759-635-27	s	IC M62352GP
IC20	8-759-175-04	s	IC PCF8574T-T
IC21	8-759-234-77	s	IC TC4S66F
Q1	8-729-122-63	s	TRANSISTOR 2SA1226
Q2	8-729-421-71	s	TRANSISTOR 2SK620
Q3	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q4	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q6	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q7	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q8	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q9	8-729-140-47	s	TRANSISTOR 2SC3735-B34
Q10	8-729-112-65	s	TRANSISTOR 2SA1462
Q11	8-729-112-65	s	TRANSISTOR 2SA1462
Q12	8-729-140-47	s	TRANSISTOR 2SC3735-B34
Q13	8-729-141-48	s	TRANSISTOR 2SB624-BV345
R1	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R2	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R3	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R4	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R5	1-218-718-11	s	METAL, CHIP 12K 0.50% 1/16W
R6	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R7	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R8	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W

(DR-387 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R9	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R10	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R11*n	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R12	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R13	1-218-648-11	s	METAL, CHIP 15 0.50% 1/16W
R14	1-218-648-11	s	METAL, CHIP 15 0.50% 1/16W
R15	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R16	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R17	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R18	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R19	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R20	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R21	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R22	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R23	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R24	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R25	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R26	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R27	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R28	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R29	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R30	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R31	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R32	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R33	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R34	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R35	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R36	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R37	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R38	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R39	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R40	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R41	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R42	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R43	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R44	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R45	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R46	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R47	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R48	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R49	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R50	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R51	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R52	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R53	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R54	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R55	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R56	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R57	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R58	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R59	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R60	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R61	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R62	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R63	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R64	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R65	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R66	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R67	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R68	1-218-739-91	s	METAL 91K 0.50% 1/16W

(DR-387 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R69	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R70	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R71	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R72	1-218-701-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R73	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R74	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R75	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R76	1-218-701-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R77	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R78	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R79	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R80	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R81	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R82	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R83	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R84	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R85	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R86	1-218-695-11	s	METAL, CHIP 1.3K 0.50% 1/16W
R87	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R88	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R89	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R91	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R92	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R93	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R94	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R95	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R96	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R97	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R98	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R101	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R102	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R103	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R104	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R105	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R106	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R107	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R108	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R109	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R112	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R113	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W

DVP-14 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-483-A	o	MOUNTED CIRCUIT BOARD, DVP-14
C100	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C101	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C102	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C103	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C104	1-164-230-11	s	CERAMIC 220PF 5% 50V
C105	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C106	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C107	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C108	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C109	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C110	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C111	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C112	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C113	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C114	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C115	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C116	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C117	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C118	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C119	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C120	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C121	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C122	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C123	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C124	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C125	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C126	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C127	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C128	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C129	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C130	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C131	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C132	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C133	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C134	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C135	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C136	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C137	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C138	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C200	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C201	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C202	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C203	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C204	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C205	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C206	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C207	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C208	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C209	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C210	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C211	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C212	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C213	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C214	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C215	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C216	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C217	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V

Ref. No. or Q'ty	Part No.	SP	Description
C218	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C219	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C220	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C221	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C222	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C223	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C224	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C300	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C301	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C302	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C303	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C304	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C305	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C306	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C307	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C308	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C309	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C310	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C311	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C312	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C313	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C314	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C315	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C316	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C318	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C319	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C320	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C322	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C325	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C326	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C327	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C328	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C329	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C400	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C401	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C402	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C403	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C404	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C405	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C406	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C407	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C408	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C409	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C410	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C411	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C412	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C413	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C500	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C501	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C502	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C505	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C506	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C507	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

Ref. No. or Q'ty	Part No.	SP	Description
C508	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C509	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C510	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C511	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C512	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C513	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C514	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C515	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C516	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C517	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C518	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C519	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C520	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C521	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C522	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C523	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C524	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C525	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C526	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C527	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C528	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C529	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C530	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C531	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C532	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C600	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C601	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C602	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C603	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C606	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C607	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C608	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C609	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C610	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C611	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C612	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C613	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C614	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C615	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C616	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C617	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C618	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C619	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C700	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C701	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C702	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C703	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C704	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C705	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C706	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C707	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C708	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C709	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C710	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C711	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C712	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C713	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C714	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C715	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C716	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C717	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C718	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C719	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C720	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C721	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C722	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C723	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C724	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C725	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C726	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C727	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C728	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C729	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C730	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C731	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C732	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C733	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C734	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C735	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C736	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C737	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C738	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-779-393-11	o	CONNECTOR, BOARD TO BOARD 100P
CN2	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN5	1-784-435-21	o	CONNECTOR, BOARD TO BOARD 30P
CP101	1-767-694-21	s	OSCILLATOR, CRYSTAL
FB101	1-543-309-21	s	BEAD, FERRITE
FL200	1-117-193-11	s	CERAMIC 1.5MF 50V
FL201	1-117-193-11	s	CERAMIC 1.5MF 50V
FL202	1-117-193-11	s	CERAMIC 1.5MF 50V
FL203	1-117-193-11	s	CERAMIC 1.5MF 50V
IC100	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC101	8-759-295-09	s	IC TLC2932IPW
IC102	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC103	8-759-260-55	s	IC TLC272CPW-E05
IC104	8-759-524-50	s	IC TC74VHC541FT(EL)
IC105	8-759-599-91	s	IC CXD8821AQ
IC106	8-759-524-28	s	IC TC74VHC245FT(EL)
IC107	8-759-524-27	s	IC TC74VHC244FT(EL)
IC108	8-759-524-28	s	IC TC74VHC245FT(EL)
IC200	8-759-523-78	s	IC TC74VHC00FT(EL)
IC201	8-759-196-97	s	IC TC7SH32FU-TE85R
IC202	8-759-524-50	s	IC TC74VHC541FT(EL)
IC203	8-759-524-28	s	IC TC74VHC245FT(EL)
IC204	8-759-524-19	s	IC TC74VHC164FT(EL)
IC205	8-759-523-81	s	IC TC74VHC08FT(EL)
IC206	8-759-271-86	s	IC TC7SH04FU
IC207	8-759-523-78	s	IC TC74VHC00FT(EL)
IC208	8-759-523-95	s	IC TC74VHC74FT(EL)
IC209	8-729-024-50	s	TRANSISTOR SI9936DY
IC210	8-759-524-50	s	IC TC74VHC541FT(EL)
IC211	8-759-524-50	s	IC TC74VHC541FT(EL)
IC212	8-759-523-81	s	IC TC74VHC08FT(EL)
IC300	8-759-524-50	s	IC TC74VHC541FT(EL)

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Ref. No. or Q'ty	Part No.	SP	Description
IC301	8-759-421-88	s	IC SN74LVC821APW-E05
IC302	8-759-524-50	s	IC TC74VHC541FT(EL)
IC303	8-759-175-57	s	IC CXD8820AR
IC304	8-759-196-97	s	IC TC7SH32FU-TE85R
IC305	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC306	8-759-188-02	s	IC CXD8854Q
IC307	8-759-523-95	s	IC TC74VHC74FT(EL)
IC308	8-759-524-18	s	IC TC74VHC163FT(EL)
IC309	8-759-196-97	s	IC TC7SH32FU-TE85R
IC310	8-759-524-52	s	IC TC74VHC574FT(EL)
IC311	8-759-524-52	s	IC TC74VHC574FT(EL)
IC312	8-759-177-72	s	IC CXD8806R
IC313	8-759-523-96	s	IC TC74VHC86FT(EL)
IC314	8-759-524-50	s	IC TC74VHC541FT(EL)
IC400	8-759-559-78	s	IC UPD434008ALLE-A20
IC401	8-759-559-78	s	IC UPD434008ALLE-A20
IC402	8-759-559-78	s	IC UPD434008ALLE-A20
IC403	8-759-482-20	s	IC IDT71V124S15Y-TL
IC404	8-759-482-20	s	IC IDT71V124S15Y-TL
IC405	8-759-482-20	s	IC IDT71V124S15Y-TL
IC406	8-759-482-20	s	IC IDT71V124S15Y-TL
IC500	8-759-199-86	s	IC CXD8807BR
IC501	8-759-421-88	s	IC SN74LVC821APW-E05
IC503	8-759-559-78	s	IC UPD434008ALLE-A20
IC504	8-759-559-78	s	IC UPD434008ALLE-A20
IC505	8-759-559-78	s	IC UPD434008ALLE-A20
IC600	8-752-359-55	s	IC CXK48324R
IC601	8-752-359-55	s	IC CXK48324R
IC602	8-752-359-55	s	IC CXK48324R
IC603	8-752-359-55	s	IC CXK48324R
IC604	8-752-359-55	s	IC CXK48324R
IC700	8-759-524-50	s	IC TC74VHC541FT(EL)
IC701	8-759-524-50	s	IC TC74VHC541FT(EL)
IC702	8-759-524-50	s	IC TC74VHC541FT(EL)
IC703	8-759-325-89	s	IC CXD8928R
IC704	8-759-482-20	s	IC IDT71V124S15Y-TL
IC705	8-759-482-20	s	IC IDT71V124S15Y-TL
IC707	8-759-482-20	s	IC IDT71V124S15Y-TL
IC708	8-759-482-20	s	IC IDT71V124S15Y-TL
IC709	8-759-325-88	s	IC CXD8929R
IC710	8-759-177-49	s	IC HM62W9127HJP-35Z
IC711	8-759-177-49	s	IC HM62W9127HJP-35Z
L101	1-410-393-11	s	INDUCTOR, CHIP 100uH
L102	1-410-803-11	s	INDUCTOR CHIP 47uH
L103	1-410-803-11	s	INDUCTOR CHIP 47uH
L104	1-410-803-11	s	INDUCTOR CHIP 47uH
L105	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L200	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L201	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L202	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L300	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L700	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L701	1-410-807-11	s	INDUCTOR CHIP 0.1uH
Q200	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q201	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R100	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R101	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R102	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R104	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R105	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R106	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R107	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R108	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R110	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R111	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R112	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R113	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R115	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R116	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R117	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R118	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R119	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R120	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R121	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R122	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R123	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R124	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R125	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R126	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R127	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R128	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R129	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R130	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R131	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R132	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R133	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R134	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R135	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R136	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R137	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R138	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R139	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R141	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R142	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R143	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R144	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R145	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R146	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R147	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R148	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R149	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R150	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R151	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R152	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R153	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R154	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R155	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R156	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R200	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R201	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R202	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R203	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R204	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R207	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R208	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R209	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

(DVP-14 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R210	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R211	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R212	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R300	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R301	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R303	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R305	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R306	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R307	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R308	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R310	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R311	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R312	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R313	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R400	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R401	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R402	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R500	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R501	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R502	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R503	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R504	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R505	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R506	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R510	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R700	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R701	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R704	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R705	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R706	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R707	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R708	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB101	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB200	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB201	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB202	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB203	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB204	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB205	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB206	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB207	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB208	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB209	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB210	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB211	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB212	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB213	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB214	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB215	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB216	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB300	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB301	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB302	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB303	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB304	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB305	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB306	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB307	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4

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Ref. No. or Q'ty	Part No.	SP	Description
RB308	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB309	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB310	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB311	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB315	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB316	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB317	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB318	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB400	1-239-430-11	s	NETWORK RESISTOR (CHIP) 4.7K
RB500	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB501	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB600	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB601	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB602	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB603	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB604	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB605	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB606	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB607	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB608	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB609	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB610	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB611	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB612	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB613	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB614	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB700	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB701	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB702	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB703	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB704	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB705	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB706	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB707	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4

DVP-17 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-452-A	o	MOUNTED CIRCUIT BOARD, DVP-17
5pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
2pcs	3-603-737-02	o	LEVER,BOARD
C1	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C2	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C6	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C8	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C9	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V
C10	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C11	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C22	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C23	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C29	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C30	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C31	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C32	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C34	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C42	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C43	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C44	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C45	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C46	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C51	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C53	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C54	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C55	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C56	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C150	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C151	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C152	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C153	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C154	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C155	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C156	1-162-915-11	s	CERAMIC, CHIP 10PF 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C157	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C158	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C159	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C160	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C161	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C162	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C163	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C164	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C165	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C166	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C167	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C200	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C201	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C202	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C203	1-115-467-11	s	CERAMIC 0.22uF 10% 10V
C204	1-115-467-11	s	CERAMIC 0.22uF 10% 10V
C205	1-115-467-11	s	CERAMIC 0.22uF 10% 10V
C206	1-115-467-11	s	CERAMIC 0.22uF 10% 10V
C207	1-115-467-11	s	CERAMIC 0.22uF 10% 10V
C208	1-115-467-11	s	CERAMIC 0.22uF 10% 10V
C209	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C210	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C211	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C212	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C213	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C214	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C215	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C216	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C217	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V
C218	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C219	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C220	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C221	1-104-914-11	s	TANTALUM, CHIP 22uF 20% 16V
C222	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C223	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C224	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C225	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C226	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C227	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C228	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C229	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C230	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C231	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C232	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C233	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C234	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C235	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C236	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C237	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C238	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C239	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C240	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C241	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C242	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C243	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C244	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C245	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C246	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C247	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C248	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C249	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C250	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C251	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C252	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C253	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C254	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C255	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C256	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C257	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C258	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C259	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C260	1-162-908-11	s	CERAMIC, CHIP 3PF 50V
C261	1-162-908-11	s	CERAMIC, CHIP 3PF 50V
C263	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C264	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C265	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C266	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C267	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C268	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C269	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C270	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C271	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C272	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C273	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C274	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C275	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C276	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C277	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C278	1-164-230-11	s	CERAMIC 220PF 5% 50V
C279	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C280	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C281	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C282	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C283	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C284	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C285	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C286	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C287	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C288	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C289	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C290	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C291	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C292	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C293	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C294	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C295	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C296	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C297	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C298	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C299	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C300	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C301	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C303	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C304	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C305	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C306	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C307	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C308	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C309	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C310	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C311	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C312	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C313	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C314	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C315	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C316	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C317	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C318	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C319	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C320	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C321	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C322	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C323	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C324	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C325	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C326	1-164-230-11	s	CERAMIC 220PF 5% 50V
C327	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C328	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C329	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C330	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C331	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C332	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C333	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C334	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C335	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C360	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C361	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C362	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C363	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C364	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C365	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C366	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C367	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C368	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C369	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C370	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C371	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C372	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C373	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C374	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C375	1-162-922-11	s	CERAMIC, CHIP 39PF 5% 50V
C376	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C377	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C378	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C379	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C380	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C381	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C382	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C383	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C384	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C385	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C386	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C387	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C388	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C389	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C390	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C391	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C392	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C393	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C394	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C395	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C396	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C397	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C398	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C399	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C400	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C401	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C402	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C403	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C404	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C405	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C406	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C407	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C408	1-162-908-11	s	CERAMIC, CHIP 3PF 50V
C409	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C411	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C412	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C413	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C414	1-164-230-11	s	CERAMIC 220PF 5% 50V
C415	1-164-230-11	s	CERAMIC 220PF 5% 50V
C416	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C417	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C418	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C419	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C420	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C421	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C422	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C423	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C424	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C425	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C426	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C427	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C428	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C429	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C430	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C431	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C433	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C434	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C435	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C436	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C437	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C438	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C439	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C440	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C441	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C442	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C443	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C444	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C445	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C446	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C447	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C448	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C449	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C450	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C451	1-162-967-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C455	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C456	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C457	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C458	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C459	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C460	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C461	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C462	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C463	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C464	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C465	1-164-315-11	s	CERAMIC, CHIP 470PF 5% 50V
C466	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C467	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C468	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C469	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C470	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C471	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C472	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C477	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C478	1-162-908-11	s	CERAMIC, CHIP 3PF 50V
C479	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C500	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C501	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C502	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C503	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C504	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C505	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C506	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C507	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C508	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C509	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C510	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C511	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C512	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C513	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C514	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C515	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C516	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C517	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C518	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C519	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C520	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C521	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C522	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C523	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C524	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C525	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C526	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C527	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C528	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C529	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C530	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C531	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C532	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C533	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C534	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C535	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C536	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C538	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C539	1-162-915-11	s	CERAMIC, CHIP 10PF 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C540	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C541	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C542	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C600	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C601	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C602	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C603	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C604	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C605	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C606	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C607	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C608	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C609	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C610	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C611	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C612	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C613	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C614	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C615	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
CN2	1-766-382-11	o	PIN, CONNECTOR (1.5MM)(SMD)10P
CN3	1-695-453-11	s	CONNECTOR, BOARD TO BOARD 50P
CN5	1-785-911-21	o	CONNECTOR, BOARD TO BOARD 30P
CN6	1-569-775-21	o	PIN, CONNECTOR (SMD) 5P
CN7	1-785-913-21	o	CONNECTOR, BOARD TO BOARD 30P
CN8	1-785-913-21	o	CONNECTOR, BOARD TO BOARD 30P
CN9	1-764-007-11	o	PIN, CONNECTOR (SMD) 12P
CN10	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN22	1-766-382-11	o	PIN, CONNECTOR (1.5MM)(SMD)10P
CP500	1-760-847-21	s	OSCILLATOR, CRYSTAL
CP501	1-760-846-11	s	OSCILLATOR, CRYSTAL
D20	8-719-941-86	s	DIODE DAN202U
D21	8-719-938-72	s	DIODE SB01-05CP
D22	8-719-989-22	s	DIODE CL-150R-CD-T
D23	8-719-820-41	s	DIODE 1SS302
D24	8-719-948-48	s	DIODE HSM88AS-TL
D500	8-719-938-72	s	DIODE SB01-05CP
DL200	1-409-580-11	s	DELAY LINE
DL202	1-409-580-11	s	DELAY LINE
DL350	1-409-580-11	s	DELAY LINE
DL352	1-409-580-11	s	DELAY LINE
FL200	1-239-894-11	s	FILTER, LOW PASS SMD
FL201	1-239-894-11	s	FILTER, LOW PASS SMD
FL350	1-239-894-11	s	FILTER, LOW PASS SMD
FL351	1-239-894-11	s	FILTER, LOW PASS SMD
IC1	8-759-271-84	s	IC TC7SH02FU
IC20	8-759-503-60	s	IC S-80740AN-D4-S
IC21	8-759-257-96	s	IC TC7S14FU(TE85R)
IC22	8-759-257-96	s	IC TC7S14FU(TE85R)
IC23	8-759-296-67	s	IC HD6417032F20
IC24	8-759-524-04	s	IC TC74VHC125FT(EL)
IC25	8-759-667-57	o	IC 29F040-DVW709SY25-V1.02
IC26	8-759-524-04	s	IC TC74VHC125FT(EL)
IC27	8-759-524-04	s	IC TC74VHC125FT(EL)
IC28	8-759-667-58	o	IC 29F040-DVW709SY28-V1.02
IC29	8-759-491-47	s	IC TC74VHCT08AFT(EL)
IC30	8-759-523-94	s	IC TC74VHC32FT(EL)
IC31	8-759-196-97	s	IC TC7SH32FU-TE85R

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Ref. No. or Q'ty	Part No.	SP	Description
IC32	8-759-399-51	s	IC 74LVX4245QSCX
IC33	8-759-524-50	s	IC TC74VHC541FT(EL)
IC34	8-752-381-56	s	IC CXD1095AR
IC35	8-759-058-58	s	IC TC7S04FU(TE85R)
IC36	8-759-523-81	s	IC TC74VHC08FT(EL)
IC37	8-759-175-72	s	IC UPD72002GB-11-3B4
IC38	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC39	8-759-058-55	s	IC TC7S02FU-TE85L
IC40	8-759-165-37	s	IC X24164SIC7000
IC41	8-759-523-95	s	IC TC74VHC74FT(EL)
IC42	8-759-271-86	s	IC TC7SH04FU
IC43	8-759-524-17	s	IC TC74VHC161FT(EL)
IC44	8-759-271-86	s	IC TC7SH04FU
IC45	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC46	8-759-257-96	s	IC TC7S14FU(TE85R)
IC47	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC48	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC49	8-759-491-45	s	IC TC74VHCT00AFT(EL)
IC50	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC51	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC52	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC53	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC150	8-759-524-09	s	IC TC74VHC153FT(EL)
IC151	8-759-524-28	s	IC TC74VHC245FT(EL)
IC152	8-752-378-49	s	IC CXD206-123R
IC153	8-759-167-20	s	IC UPD42280GU-30
IC154	8-759-497-44	s	IC TC7WH125FU(TE12R)
IC155	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC200	8-759-523-81	s	IC TC74VHC08FT(EL)
IC201	8-759-271-86	s	IC TC7SH04FU
IC202	8-759-524-27	s	IC TC74VHC244FT(EL)
IC203	8-759-530-05	s	IC TC4053BFT(EL,N)
IC204	8-759-209-54	s	IC TC4S01F
IC205	8-729-045-28	s	TRANSISTOR SI4532DY-T1
IC206	8-729-040-75	s	TRANSISTOR SI4953DY-T1
IC207	8-729-045-28	s	TRANSISTOR SI4532DY-T1
IC208	8-759-359-66	s	IC TL082CPW-E05
IC209	8-752-085-93	s	IC CXA3229R
IC210	8-759-530-28	s	IC TC4066BFT(EL,N)
IC211	8-759-530-05	s	IC TC4053BFT(EL,N)
IC212	8-759-359-66	s	IC TL082CPW-E05
IC213	8-752-085-93	s	IC CXA3229R
IC214	8-752-075-38	s	IC CXA3053R
IC215	8-752-075-40	s	IC CXA3051R
IC216	8-752-075-40	s	IC CXA3051R
IC217	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC219	8-759-173-13	s	IC CXD8815Q
IC220	8-759-524-09	s	IC TC74VHC153FT(EL)
IC221	8-759-392-01	s	IC TC7SH86FU-TE85R
IC222	8-759-524-48	s	IC TC74VHC393FT(EL)
IC223	8-759-271-84	s	IC TC7SH02FU
IC224	8-759-271-84	s	IC TC7SH02FU
IC225	8-759-530-31	s	IC TC74VHC4040FT(EL)
IC226	8-759-196-97	s	IC TC7SH32FU-TE85R
IC227	8-759-271-84	s	IC TC7SH02FU
IC228	8-759-635-27	s	IC M62352GP
IC229	8-759-635-27	s	IC M62352GP
IC230	8-752-075-38	s	IC CXA3053R
IC231	8-759-530-05	s	IC TC4053BFT(EL,N)

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Ref. No. or Q'ty	Part No.	SP	Description
IC358	8-759-359-66	s	IC TL082CPW-E05
IC360	8-759-524-27	s	IC TC74VHC244FT(EL)
IC361	8-759-523-81	s	IC TC74VHC08FT(EL)
IC362	8-759-359-66	s	IC TL082CPW-E05
IC363	8-759-530-05	s	IC TC4053BFT(EL,N)
IC364	8-759-530-05	s	IC TC4053BFT(EL,N)
IC365	8-752-075-38	s	IC CXA3053R
IC366	8-752-075-38	s	IC CXA3053R
IC367	8-752-075-40	s	IC CXA3051R
IC368	8-752-075-40	s	IC CXA3051R
IC369	8-752-085-93	s	IC CXA3229R
IC370	8-752-085-93	s	IC CXA3229R
IC371	8-759-173-13	s	IC CXD8815Q
IC372	8-759-635-27	s	IC M62352GP
IC500	8-759-523-78	s	IC TC74VHC00FT(EL)
IC501	8-759-523-95	s	IC TC74VHC74FT(EL)
IC502	8-759-523-78	s	IC TC74VHC00FT(EL)
IC503	8-759-524-50	s	IC TC74VHC541FT(EL)
IC504	8-759-524-27	s	IC TC74VHC244FT(EL)
IC505	8-759-524-50	s	IC TC74VHC541FT(EL)
IC506	8-759-524-28	s	IC TC74VHC245FT(EL)
IC507	8-752-377-24	s	IC CXD306-138Q
IC508	8-759-524-50	s	IC TC74VHC541FT(EL)
IC509	8-759-523-78	s	IC TC74VHC00FT(EL)
IC510	8-759-524-50	s	IC TC74VHC541FT(EL)
IC511	8-759-523-78	s	IC TC74VHC00FT(EL)
IC512	8-759-196-96	s	IC TC7SH08FU-TE85R
IC513	8-759-523-95	s	IC TC74VHC74FT(EL)
IC514	8-759-491-45	s	IC TC74VHCT00AFT(EL)
IC515	8-729-045-28	s	TRANSISTOR SI4532DY-T1
IC516	8-729-045-28	s	TRANSISTOR SI4532DY-T1
IC517	8-759-196-96	s	IC TC7SH08FU-TE85R
IC518	8-759-082-55	s	IC TC7W00FU
IC519	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC520	8-759-524-25	o	IC TC7WH241FU(TE12R)
IC521	8-759-209-97	s	IC TC4S81F
IC600	8-752-359-55	s	IC CXK48324R
IC601	8-752-359-55	s	IC CXK48324R
IC602	8-752-359-55	s	IC CXK48324R
IC603	8-752-359-55	s	IC CXK48324R
IS25	1-540-151-21	s	SOCKET, IC
IS28	1-540-151-21	s	SOCKET, IC
L1	1-424-673-11	s	INDUCTOR 4.7uH
L2	1-424-673-11	s	INDUCTOR 4.7uH
L3	1-424-673-11	s	INDUCTOR 4.7uH
L4	1-424-673-11	s	INDUCTOR 4.7uH
L20	1-424-673-11	s	INDUCTOR 4.7uH
L21	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L22	1-410-369-11	s	INDUCTOR CHIP 1uH
L23	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L150	1-410-803-31	s	INDUCTOR 47uH
L200	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L201	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L202	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L203	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L204	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L205	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L206	1-410-737-31	s	INDUCTOR CHIP 0.47uH

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Ref. No. or Q'ty	Part No.	SP	Description
L207	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L208	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L209	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L210	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L211	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L212	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L213	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L214	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L360	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L361	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L500	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L501	1-410-807-11	s	INDUCTOR CHIP 0.1uH
L503	1-409-579-11	s	INDUCTOR 8.2uH
L504	1-409-579-11	s	INDUCTOR 8.2uH
Q20	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q200	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q201	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q202	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q203	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q204	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q205	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q206	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q207	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q208	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q209	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q210	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q211	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q215	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q355	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q359	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q360	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q361	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q362	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q363	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q364	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q365	8-729-143-13	s	TRANSISTOR 2SC4176-B34
Q500	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q501	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R1	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R2	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R3	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R4	1-216-864-11	s	METAL, CHIP 47 0.50% 1/16W
R5	1-218-660-91	s	METAL, CHIP 0 5% 1/16W
R20	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R21	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R22	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R23	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R24	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R25	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R26	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R28	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R30	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R31	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R32	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R33	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R34	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R35	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R36	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R37	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R38	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R39	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R40	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R41	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R42	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R43	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R44	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R45	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R46	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R47	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R48	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R49	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R50	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R51	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R52	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R53	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R54	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R55	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R56	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R57	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R58	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R59	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R60	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R61	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R62	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R63	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R64	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R65	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R67	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R68	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R69	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R70	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R71	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R72	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R74	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R75	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R76	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R77	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R78	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R79	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R80	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R81	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R82	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R83	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R84	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R85	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R86	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R87	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R88	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R89	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R90	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R91	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R92	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R93	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R94	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R95	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R96	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R97	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R98	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R99	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R100	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R101	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R102	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R103	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R150	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R151	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R152	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R153	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R154	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R155	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R156	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R157	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R159	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R160	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R163	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R164	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R165	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R166	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R167	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R200	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R201	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R202	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R203	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R205	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R206	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R207	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R208	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R209	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R210	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R211	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R212	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R213	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R214	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R216	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R217	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R218	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R219	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R220	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R221	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R222	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R223	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R224	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R225	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R226	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R227	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R228	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R229	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R230	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R231	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R232	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R233	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R234	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R235	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R237	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R238	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R239	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R240	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R241	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R242	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R243	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R244	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R245	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R246	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R247	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R248	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R249	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R250	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R251	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R252	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R253	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R254	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R255	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R256	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R257	1-218-688-11	s	METAL, CHIP 680 0.50% 1/16W
R258	1-218-688-11	s	METAL, CHIP 680 0.50% 1/16W
R259	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R260	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R261	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R262	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R263	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R264	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R265	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R266	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R267	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R268	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R269	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R270	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R271	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R272	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R273	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R274	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R275	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R276	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R277	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R278	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R279	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R280	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R281	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R282	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R283	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R284	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R285	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R286	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R287	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R288	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R289	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R290	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R291	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R293	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R294	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R295	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R296	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R297	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R298	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R299	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R300	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R301	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R302	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R304	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R307	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R310	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R312	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R313	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R314	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R315	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R316	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R317	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R318	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R319	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R320	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R321	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R322	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R323	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R324	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R325	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R326	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R327	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R328	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R329	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R330	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R331	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R332	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R333	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R334	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R335	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R336	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R337	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R338	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R340	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R341	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R343	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R344	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R345	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R346	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R347	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R348	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R349	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R350	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R351	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R352	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R353	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R354	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R355	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R356	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R357	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R358	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R359	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R360	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R361	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R362	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R363	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R364	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R365	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R366	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R367	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R368	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R369	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R370	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R371	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R372	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R373	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R374	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R375	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R376	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R377	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R378	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R379	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R380	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R381	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R382	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R383	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R384	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R385	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R387	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R388	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R389	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R390	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R391	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R392	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R393	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R394	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R395	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R396	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R397	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R398	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R399	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R400	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R401	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R402	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R403	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R404	1-218-688-11	s	METAL, CHIP 680 0.50% 1/16W
R405	1-218-688-11	s	METAL, CHIP 680 0.50% 1/16W
R406	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R407	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R408	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R409	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R410	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R411	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R412	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R413	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R414	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R415	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R416	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R417	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R418	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R419	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R420	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R421	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R422	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R423	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R424	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R425	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R426	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R427	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R428	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R429	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R430	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R431	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R432	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R433	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R434	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R435	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R436	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R437	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R438	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R440	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R441	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R443	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R444	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R445	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R446	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R447	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R448	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R449	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R450	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R451	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R452	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R453	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R454	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R455	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R456	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R457	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R458	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R459	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R460	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R461	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R462	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R463	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R464	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R465	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R467	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R468	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R469	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R470	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R471	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R472	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R473	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R474	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R475	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R476	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R477	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R478	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R479	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R480	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R481	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R482	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R483	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R484	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R485	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R486	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R487	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R488	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R489	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R490	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R491	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R492	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R493	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R494	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R496	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R497	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R498	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R499	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R500	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R501	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R502	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R503	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R504	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R505	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R506	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R509	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R516	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R517	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R518	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R519	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R520	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R521	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R522	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R523	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R524	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R525	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R526	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R527	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R528	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R529	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R530	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R531	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R532	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R533	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R534	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R535	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R536	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R537	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R538	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R539	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R540	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R541	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R543	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R544	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R545	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R600	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R601	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R602	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R603	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R700	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R701	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R702	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R704	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R705	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R707	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R708	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R709	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R710	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R711	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R712	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R713	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R714	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R715	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R716	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R717	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R718	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R719	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R720	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R721	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R722	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R723	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R724	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R800	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R801	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R803	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R804	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R805	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R806	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R807	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R808	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R809	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R810	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R811	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R812	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R813	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R814	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R815	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R816	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB20	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB21	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB22	1-239-310-11	s	RESISTOR ARRAY, CHIP 220K
RB23	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB24	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB25	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB26	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB27	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB28	1-239-310-11	s	RESISTOR ARRAY, CHIP 220K
RB29	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB30	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB31	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB32	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB33	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB34	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB35	1-239-310-11	s	RESISTOR ARRAY, CHIP 220K
RB36	1-239-621-11	s	RESISTOR BLOCK, CHIP 22
RB37	1-239-621-11	s	RESISTOR BLOCK, CHIP 22
RB38	1-239-621-11	s	RESISTOR BLOCK, CHIP 22
RB39	1-239-310-11	s	RESISTOR ARRAY, CHIP 220K
RB40	1-239-310-11	s	RESISTOR ARRAY, CHIP 220K
RB41	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB42	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB43	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB44	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB45	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB46	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB47	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB150	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4

(DVP-17 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB151	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB152	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB200	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB300	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB500	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB501	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB502	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB503	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB504	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB505	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB506	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB507	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB600	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB601	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB602	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB603	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
S20	1-692-271-31	s	SWITCH, SLIDE
X20	1-767-438-11	s	VIBRATOR, CRYSTAL
X21	1-767-208-11	s	VIBRATOR, CRYSTAL

ES-23/23P BOARD

Note
*N: for DVW-790WS/709WS/707
*P: for DVW-790WSP/709WSP/707P

*q: Serial No.10021 and higher (707 SY)
30006 and higher (707 J/709WS J/790WS J)
10036 and higher (709WS SY/790WS SY)
40036 and higher (707P)
40101 and higher (709WSP)
40086 and higher (790WSP)
*r: Serial No.10001 through 10020 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10035 (709WS SY/790WS SY)
40001 through 40035 (707P)
40001 through 40100 (709WSP)
40001 through 40085 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-482-A	o	MOUTED CIRCUIT BOARD, ES-23 [for *N]
1pc	A-8321-508-A	o	MOUNTED CIRCUIT BOARD, ES-23P [for *P]
C1	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C4	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C5	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C6	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C9	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C11	1-162-905-11	s	CERAMIC, CHIP 1PF 50V
C12	1-162-908-11	s	CERAMIC, CHIP 3PF 50V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C15	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C16	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C17	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C18	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C21	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C22	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V [for *N]
C22	1-162-926-11	s	CERAMIC, CHIP 82PF 5% 50V [for *P]
C23	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C30	1-162-915-11	s	CERAMIC, CHIP 10PF 50V [for *N]
C31	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C32	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C33	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C34	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C35	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C38	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C41	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C42	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C43	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C46	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

(ES-23/23P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C50	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C51	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C52	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C53	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C54	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C55	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C56	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C57	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C58	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C59	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C61	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C62	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C64	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C65	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C66	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C67	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C68	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C69	1-162-915-11	s	CERAMIC, CHIP 10PF 50V [for *N]
C70	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C71	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C72	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C73	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C74	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C75	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C76	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C78	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C79	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C80	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C81	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C82	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C83	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C84	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C85	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C88	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C89	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C90	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C91	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C92	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C93	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C94	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C95	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C96	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C97	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C98	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C99	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C100	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V [for *P]
C101	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C102	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C103	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C104	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C106	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C107	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C108	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C109	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C112	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C113	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V

Ref. No. or Q'ty	Part No.	SP	Description
C114	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C115	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C116	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C117	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C120	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C121	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C122	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C123	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C124	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C125	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C126	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C127	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C129	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C130	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C131	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C132	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C133	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C134	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C135	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C136	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C137	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C138	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C139	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C140	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C141	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C143	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C144	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C145	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C146	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V [for *N]
C146	1-162-924-11	s	CERAMIC 56PF 5% 50V [for *P]
C147	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C148	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C150	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C151	1-162-918-11	s	CERAMIC, CHIP 18PF 5% 50V [for *P]
C152	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C153	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C154	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C155	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C156	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C157	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C158	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C159	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C160	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C161	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C162	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C163	1-113-987-11	s	TANTALUM, CHIP 4.7uF 20% 25V
C164	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C165	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C166	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C167	1-162-918-11	s	CERAMIC, CHIP 18PF 5% 50V
C168	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C169	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C170	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C171	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C172	1-162-918-11	s	CERAMIC, CHIP 18PF 5% 50V
C173	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C174	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C175	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C176	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V [for *N]
C176	1-162-918-11	s	CERAMIC, CHIP 18PF 5% 50V [for *P]
C177	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C178	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C179	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C180	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C181	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C182	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C184	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C185	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C186	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C187	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C189	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C190	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C191	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C192	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C193	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C194	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C195	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C196	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C197	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C198	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C199	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C200	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C201	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C202	1-164-346-11	s	CERAMIC 1uF 16V
C203	1-164-346-11	s	CERAMIC 1uF 16V
C204	1-162-908-11	s	CERAMIC, CHIP 3PF 50V [for *P]
CN1	1-774-998-21	o	CONNECTOR, BOARD TO BOARD 20P
CN2	1-770-678-11	o	CONNECTOR, BOARD TO BOARD 50P
CP2	1-579-716-11	s	OSCILLATOR, CRYSTAL [for *N]
CP2	1-579-718-11	s	OSCILLATOR, CRYSTAL 17.734475MHz [for *P]
D1	8-719-948-48	s	DIODE HSM88AS-TL
D2	8-719-948-48	s	DIODE HSM88AS-TL
D3	8-719-948-48	s	DIODE HSM88AS-TL
D4	8-719-948-48	s	DIODE HSM88AS-TL
D5	8-719-820-41	s	DIODE 1SS302
D6	8-719-820-41	s	DIODE 1SS302
D7	8-719-820-41	s	DIODE 1SS302
D8	8-719-820-41	s	DIODE 1SS302
D9	8-719-820-41	s	DIODE 1SS302
DL1	1-411-271-21	s	DELAY LINE
DL2	1-411-272-21	s	DELAY LINE
FL1	1-233-740-11	s	FILTER, LOW PASS
FL2	1-233-742-11	s	FILTER, LOW PASS
FL3	1-239-528-21	s	FILTER, LOWPASS (NTSC BLANKING) [for *N]
FL3	1-239-527-21	s	FILTER, LOWPASS (PAL BLANKING) [for *P]
FL4	1-239-383-12	s	FILTER, LOWPASS (NTSC SYNC) [for *N]
FL4	1-239-381-21	s	FILTER, LOWPASS (PAL SYNC) [for *P]
FL5	1-233-740-11	s	FILTER, LOW PASS
FL6	1-233-742-11	s	FILTER, LOW PASS
FL7	1-234-350-21	s	FILTER, BAND PASS [for *N]
FL7	1-234-351-21	s	FILTER, BAND PASS [for *P]
FL8	1-239-383-12	s	FILTER, LOWPASS (NTSC SYNC) [for *N]
FL8	1-239-381-21	s	FILTER, LOWPASS (PAL SYNC) [for *P]

(ES-23/23P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FL9	1-233-740-11	s	FILTER, LOW PASS
FL10	1-233-742-11	s	FILTER, LOW PASS
FL11	1-239-382-22	s	LPF (U/V)
FL12	1-402-647-11	s	DELAY LINE (90-degree) (NTSC) [for *N]
FL12	1-402-646-21	s	DELAY LINE (90-degree) (PAL) [for *P]
FL13	1-239-375-21	s	FILTER, LOWPASS
FL14	1-233-740-11	s	FILTER, LOW PASS
FL15	1-233-742-11	s	FILTER, LOW PASS
FL16	1-239-382-22	s	LPF (U/V)
FL17	1-239-375-21	s	FILTER, LOWPASS
FL18	1-239-371-21	s	BPF [for *N]
FL18	1-239-374-11	s	BPF [for *P]
IC1	8-759-082-61	s	IC TC4W53FU
IC2	8-759-173-16	s	IC TL062CPW
IC3	8-759-271-86	s	IC TC7SH04FU
IC4	8-759-082-61	s	IC TC4W53FU
IC5	8-759-082-60	s	IC TC7S66FU
IC6	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC7	8-759-082-61	s	IC TC4W53FU
IC8	8-759-271-86	s	IC TC7SH04FU
IC9	8-759-530-30	s	IC TC74VHCU04FT(EL)
IC10	8-759-523-01	s	IC TC74HC4052AFT(EL)
IC11	8-759-082-61	s	IC TC4W53FU
IC12	8-759-082-61	s	IC TC4W53FU
IC13	8-759-906-59	s	IC CX22017
IC14	8-759-082-61	s	IC TC4W53FU
IC15	8-759-082-61	s	IC TC4W53FU
IC16	8-759-271-86	s	IC TC7SH04FU
IC17	8-759-254-49	s	IC EL4581CS-TE2
IC18	8-759-678-06	s	IC CAT24WC02JI-TE13
IC19	8-759-635-27	s	IC M62352GP
IC20	8-759-347-09	s	IC NJU7034V-TE2
IC21	8-759-902-88	s	IC SN74LS123NS
IC22	8-759-082-61	s	IC TC4W53FU
IC23	8-759-635-27	s	IC M62352GP
IC24	8-759-635-27	s	IC M62352GP
IC25	8-759-082-57	s	IC TC7W04FU
IC26	8-759-058-64	s	IC TC7S32FU(TE85R)
IC27	8-759-256-90	s	IC NJU7021V-TE2
IC28	8-759-058-58	s	IC TC7S04FU(TE85R)
IC29	8-759-082-60	s	IC TC7S66FU
IC30	8-759-082-60	s	IC TC7S66FU
IC31	8-759-159-52	s	IC NJU7024M
IC32	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC33	8-759-195-81	s	IC TC7S86FU
IC34	8-759-082-60	s	IC TC7S66FU
IC35	8-759-271-86	s	IC TC7SH04FU
IC36	8-759-271-86	s	IC TC7SH04FU
IC37	8-759-523-95	s	IC TC74VHC74FT(EL)
IC38*q	8-759-196-93	s	IC TC7SH00FU-TE85R
IC38*r	8-759-058-54	s	IC TC7S00FU-TE85R
IC39*q	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC39*r	8-759-050-50	s	IC SN74HCT04APW(E05)
IC40	8-759-271-86	s	IC TC7SH04FU
IC41	8-759-271-86	s	IC TC7SH04FU
IC42	8-759-082-59	s	IC TC7W32FU
IC43	8-759-058-58	s	IC TC7S04FU(TE85R) [for *N]
IC44	8-759-082-61	s	IC TC4W53FU
IC45	8-759-058-64	s	IC TC7S32FU(TE85R)

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Ref. No. or Q'ty	Part No.	SP	Description
L2	1-412-951-11	s	INDUCTOR 10uH
L3	1-412-951-11	s	INDUCTOR 10uH
L4	1-410-373-31	s	INDUCTOR CHIP 2.2uH
L5	1-410-373-31	s	INDUCTOR CHIP 2.2uH
L6	1-412-951-11	s	INDUCTOR 10uH
L7	1-412-959-11	s	INDUCTOR 47UH
L8	1-410-373-31	s	INDUCTOR CHIP 2.2uH
L9	1-412-955-11	s	INDUCTOR 22uH
Q1	8-729-117-32	s	TRANSISTOR 2SC4177
Q2	8-729-117-32	s	TRANSISTOR 2SC4177
Q3	8-729-117-32	s	TRANSISTOR 2SC4177
Q4	8-729-117-32	s	TRANSISTOR 2SC4177
Q5	8-729-403-32	s	TRANSISTOR XN6534
Q6	8-729-403-32	s	TRANSISTOR XN6534
Q7	8-729-403-29	s	TRANSISTOR XN6435
Q8	8-729-117-32	s	TRANSISTOR 2SC4177
Q9	8-729-403-32	s	TRANSISTOR XN6534
Q10	8-729-403-29	s	TRANSISTOR XN6435
Q11	8-729-109-44	s	TRANSISTOR 2SK94
Q12	8-729-403-32	s	TRANSISTOR XN6534
Q13	8-729-403-29	s	TRANSISTOR XN6435
Q14	8-729-403-32	s	TRANSISTOR XN6534
Q15	8-729-402-19	s	TRANSISTOR XN6501
Q16	8-729-403-32	s	TRANSISTOR XN6534
Q17	8-729-403-32	s	TRANSISTOR XN6534
Q18	8-729-402-19	s	TRANSISTOR XN6501
Q19	8-729-403-29	s	TRANSISTOR XN6435
Q20	8-729-402-19	s	TRANSISTOR XN6501
Q21	8-729-402-19	s	TRANSISTOR XN6501
Q22	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q23	8-729-017-10	s	TRANSISTOR 2SJ244JY
Q24	8-729-022-32	s	TRANSISTOR 2SK1579DY-TL
Q25	8-729-403-32	s	TRANSISTOR XN6534
Q26	8-729-403-29	s	TRANSISTOR XN6435
Q27	8-729-117-32	s	TRANSISTOR 2SC4177
Q28	8-729-403-32	s	TRANSISTOR XN6534
Q29	8-729-403-29	s	TRANSISTOR XN6435
Q30	8-729-109-44	s	TRANSISTOR 2SK94
Q31	8-729-403-32	s	TRANSISTOR XN6534
Q32	8-729-403-29	s	TRANSISTOR XN6435
Q33	8-729-403-32	s	TRANSISTOR XN6534
Q34	8-729-403-29	s	TRANSISTOR XN6435
Q35	8-729-403-32	s	TRANSISTOR XN6534
Q36	8-729-403-32	s	TRANSISTOR XN6534
Q37	8-729-402-19	s	TRANSISTOR XN6501
Q38	8-729-403-29	s	TRANSISTOR XN6435
Q39	8-729-403-32	s	TRANSISTOR XN6534
Q40	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q41	8-729-904-54	s	TRANSISTOR DTB143EK
Q42	8-729-904-72	s	TRANSISTOR DTD143EK
Q43	8-729-117-32	s	TRANSISTOR 2SC4177
Q44	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q45	8-729-403-32	s	TRANSISTOR XN6534
Q46	8-729-403-29	s	TRANSISTOR XN6435
Q47	8-729-117-32	s	TRANSISTOR 2SC4177
Q48	8-729-109-44	s	TRANSISTOR 2SK94
Q49	8-729-403-29	s	TRANSISTOR XN6435
Q50	8-729-403-29	s	TRANSISTOR XN6435
Q51	8-729-117-32	s	TRANSISTOR 2SC4177

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Ref. No. or Q'ty	Part No.	SP	Description
Q52	8-729-403-32	s	TRANSISTOR XN6534
Q53	8-729-402-19	s	TRANSISTOR XN6501
Q54	8-729-122-63	s	TRANSISTOR 2SA1226
Q55	8-729-117-32	s	TRANSISTOR 2SC4177
Q56	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q57	8-729-403-29	s	TRANSISTOR XN6435
Q58	8-729-403-32	s	TRANSISTOR XN6534
Q59	8-729-402-19	s	TRANSISTOR XN6501
Q60	8-729-402-19	s	TRANSISTOR XN6501
Q61	8-729-117-32	s	TRANSISTOR 2SC4177
Q62	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q63	8-729-403-32	s	TRANSISTOR XN6534
Q64	8-729-403-29	s	TRANSISTOR XN6435
Q65	8-729-117-32	s	TRANSISTOR 2SC4177
Q66	8-729-109-44	s	TRANSISTOR 2SK94
Q67	8-729-403-29	s	TRANSISTOR XN6435
Q68	8-729-403-29	s	TRANSISTOR XN6435
Q69	8-729-117-32	s	TRANSISTOR 2SC4177
Q70	8-729-403-32	s	TRANSISTOR XN6534
Q71	8-729-402-19	s	TRANSISTOR XN6501
Q72	8-729-122-63	s	TRANSISTOR 2SA1226
Q73	8-729-402-19	s	TRANSISTOR XN6501
Q74	8-729-403-29	s	TRANSISTOR XN6435
Q75	8-729-403-32	s	TRANSISTOR XN6534
Q76	8-729-117-32	s	TRANSISTOR 2SC4177
Q77	8-729-403-32	s	TRANSISTOR XN6534
Q78	8-729-403-29	s	TRANSISTOR XN6435
Q79	8-729-117-32	s	TRANSISTOR 2SC4177
Q80	8-729-117-32	s	TRANSISTOR 2SC4177
Q81	8-729-017-10	s	TRANSISTOR 2SJ244JY
Q82	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q83	8-729-402-19	s	TRANSISTOR XN6501
Q84	8-729-122-63	s	TRANSISTOR 2SA1226
Q85	8-729-117-73	s	TRANSISTOR 2SC4178-F14
Q86	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q87	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R1	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R2	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R3	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R4	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R5	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R6	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R7	1-218-699-11	s	METAL, CHIP 2K 0.50% 1/16W
R8	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R9	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R10	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R11	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R12	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R13	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R14	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R15	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R16	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R17	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R18	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R19	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R20	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R23	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R24	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R25	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R26	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R27	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R28	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R29	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R30	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R31	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R32	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R33	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R34	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R35	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R36	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R37	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R38	1-216-861-11	s	METAL, CHIP 2.2M 5% 1/16W
R39	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R40	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R41	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R42	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R43	1-216-861-11	s	METAL, CHIP 2.2M 5% 1/16W
R44	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R45	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R46	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R47	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R48	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R49	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R50	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R51	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R52	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R53	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R54	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R55	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R56	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R57	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R58	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R59	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R60	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R61	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R62	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R63	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R64	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R65	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R66	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R67	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R68	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R69	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R70	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R71	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R72	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R73	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R74	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R75	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R76	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R77	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R78	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R79	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R80	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R81	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R82	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R83	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R84	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R85	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W

Ref. No. or Q'ty	Part No.	SP	Description
R86	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R87	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R88	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R89	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R90	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R91	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R92	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W [for *P]
R93	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W [for *N]
R94	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R95	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R96	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R97	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R98	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R99	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R100	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R101	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R102	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R105	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R106	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R107	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R108	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R109	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R110	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R111	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R112	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R113	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R114	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R115	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R116	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R117	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R118	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R119	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R120	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R121	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R122	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R123	1-216-861-11	s	METAL, CHIP 2.2M 5% 1/16W
R124	1-216-861-11	s	METAL, CHIP 2.2M 5% 1/16W
R125	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R126	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R127	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R128	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R129	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R130	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R131	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R132	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R133	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R134	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R135	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R136	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R137	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R138	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R139	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R140	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R141	1-218-687-11	s	METAL, CHIP 620 0.50% 1/16W
R142	1-218-685-11	s	METAL, CHIP 510 0.50% 1/16W
R143	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R144	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R145	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W

Ref. No. or Q'ty	Part No.	SP	Description
R146	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W [for *P]
R147	1-218-701-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R148	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R149	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R150	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R151	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R152	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R153	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R154	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R155	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R156	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R157	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R159	1-218-691-11	s	METAL, CHIP 910 0.50% 1/16W
R160	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R161	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R162	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R163	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R164	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R165	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R166	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R167	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R168	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R169	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R170	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R171	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R172	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R173	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R174	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R175	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R176	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R177	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R178	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R179	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R180	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R181	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R182	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R183	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R184	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R185	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R186	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R187	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R190	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R191	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R192	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R193	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R194	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R195	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R197	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R199	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R200	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R201	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R202	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R203	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R204	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R205	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R206	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R207	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R208	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R209	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R210	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R211	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R214	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R215	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R216	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R217	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R218	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R219	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R220	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R221	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R222	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R223	1-218-646-11	s	METAL, CHIP 12 0.50% 1/16W
R224	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R225	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R226	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R227	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R228	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R229	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R230	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R231	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R232	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R233	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R234	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R235	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R236	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R237	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R238	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R239	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R240	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R241	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W [for *P]
R242	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R243	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R244	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R245	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R246	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R247	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R248	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R249	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R250	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R251	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R253	1-218-744-11	s	METAL, CHIP 150K 0.50% 1/16W
R254	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R255	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R256	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W [for *N]
R257	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W [for *P]
R258	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R259	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R260	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R261	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R262	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W
R263	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R264	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R265	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R266	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R267	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R268	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R269	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R270	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R271	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R272	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R273	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R274	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R275	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R276	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R277	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R278	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R279	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R280	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R281	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R282	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R283	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R284	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R285	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R287	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R289	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R290	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R291	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R292	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R293	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R294	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R295	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R297	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R298	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R300	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R301	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R302	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R303	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R304	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R305	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R306	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R307	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R308	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R309	1-218-646-11	s	METAL, CHIP 12 0.50% 1/16W
R310	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R311	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R312	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R313	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R314	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R315	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R316	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R317	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R318	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R319	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R320	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R321	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R322	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R323	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R324	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R325	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R326	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R327	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R328	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R329	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R330	1-218-687-11	s	METAL, CHIP 620 0.50% 1/16W [for *N]
R330	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W [for *P]

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Ref. No. or Q'ty	Part No.	SP	Description
R331	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R332	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R333	1-218-710-91	s	METAL 5.6K 0.50% 1/16W [for *N]
R333	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W [for *P]
R334	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R335	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R336	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R337	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R339	1-218-744-11	s	METAL, CHIP 150K 0.50% 1/16W
R340	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R341	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R342	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R343	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R344	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R345	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R346	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R347	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R348	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R349	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R350	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R351	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R352	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R353	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R354	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R355	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R356	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R357	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R358	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R359	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R360	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R361	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R362	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R363	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R364	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R365	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R366	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R367	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R368	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R369	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R370	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R371	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R372	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R373	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R374	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R375	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R376	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R377	1-218-699-11	s	METAL, CHIP 2K 0.50% 1/16W
R378	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R379	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R380	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R381	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R382	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R383	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R385	1-216-855-11	s	METAL, CHIP 680K 5% 1/16W
R386	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R387	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R389	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R390	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R391	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R392	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R393	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R394	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R395	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R396	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R397	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R398	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R399	1-218-682-11	s	METAL, CHIP 390 0.50% 1/16W
R400	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R401	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R402	1-218-718-11	s	METAL, CHIP 12K 0.50% 1/16W
R403	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R404	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W [for *N]
R404	1-218-705-11	s	METAL, CHIP 3.6K 0.50% 1/16W [for *P]
R405	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W [for *N]
R405	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W [for *P]
R406	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R407	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R408	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R409	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R410	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R411	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R412	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R413	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R414	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R415	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R416	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R417	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R418	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R419	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R420	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R421	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R422	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R423	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R424	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R425	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R426	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R427	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W [for *N]
R427	1-218-710-91	s	METAL 5.6K 0.50% 1/16W [for *P]
R428	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W [for *N]
R428	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W [for *P]
R429	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R430	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R432	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R433	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R434	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R435	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R436	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R437	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R438	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R439	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W

(ES-23/23P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R441	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R442	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R443	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R446	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R447	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R448	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R449	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R450	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R451	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R452	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R453	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R454	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R455	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R456	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R457	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R459	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R460	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R461	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R462	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R464	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R465	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R466	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R467	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R468	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W [for *N]
R468	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W [for *P]
R469	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R470	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R471	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R472	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R473	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R474	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R475	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R476	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R477	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R478	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R479	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R482*q	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R482*r	1-218-692-11	s	RESISTOR, CHIP 1.0K 1/16W (1608)
R484	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R485	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R486	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R487	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R488	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R489	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R490	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R491	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R492	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R493	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R494	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R495	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R496	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R497	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R498	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R499	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W

HN-260 BOARD

Note
*s: Serial No.10056 and higher (707 SY)
30011 and higher (707 J)
10121 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10131 and higher (790WS SY)
40156 and higher (707P)
40226 and higher (709WSP)
40401 and higher (790WSP)
*t: Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10120 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10130 (790WS SY)
40001 through 40155 (707P)
40001 through 40225 (709WSP)
40001 through 40440 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-453-A	o	MOUNTED CIRCUIT BOARD, HN-260
1pc	3-680-489-02	o	BRACKET,HN
6pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
4pcs*s	4-352-844-01	o	PIN, LEAD, COATING
2pcs	4-352-844-01	o	PIN, LEAD, COATING
1pc	3-680-270-01	o	PLATE(HN-189),ORNAMENTAL
C1	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C2	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C3	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C4	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C5	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C6	1-104-553-11	s	FILM, CHIP 0.015uF 5% 16V
C7	1-135-201-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C8	1-135-201-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C9	1-164-230-11	s	CERAMIC 220PF 5% 50V
C10	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C11	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C12	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C13	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C14	1-126-395-11	s	ELECT 22uF 20% 16V
C15	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C16	1-164-230-11	s	CERAMIC 220PF 5% 50V
C17	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C18	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C19	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C20	1-164-230-11	s	CERAMIC 220PF 5% 50V
C21	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C22	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C23	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C24	1-104-916-11	s	TANTALUM, CHIP 6.8uF 10% 20V
C25	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C26	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C27	1-164-230-11	s	CERAMIC 220PF 5% 50V
C28	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C29	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C30	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C31	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C32	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C33	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C34	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C35	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C36	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C37	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V

(HN-260 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN1	1-750-933-21	o	PIN, CONNECTOR 12P
CN2	1-580-538-11	o	CONNECTOR, LY 18P, MALE
CN4	1-691-591-11	o	PIN, CONNECTOR (1.5MM) (SMD)8P
CN5	1-573-806-21	s	PIN, CONNECTOR (1.5MM) (SMD)6P
CN6	1-766-383-11	o	PIN, CONNECTOR (1.5MM)(SMD)12P
CN7	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN8	1-573-290-21	s	PIN, CONNECTOR (1.5MM) (SMD)4P
CN9	1-573-290-21	s	PIN, CONNECTOR (1.5MM) (SMD)4P
CN10	1-691-591-11	o	PIN, CONNECTOR (1.5MM) (SMD)8P
CN11	1-766-376-11	o	PIN, CONNECTOR (1.5MM)(SMD) 9P
CN12	1-691-550-11	s	PIN, CONNECTOR (1.5MM)(SMD) 3P
CN14	1-766-376-11	o	PIN, CONNECTOR (1.5MM)(SMD) 9P
CT1	1-424-511-11	s	TRANSFORMER, FE
D5	8-719-106-88	s	DIODE RD15M-B1
D6	8-719-941-86	s	DIODE DAN202U
D7	8-719-026-39	s	DIODE CL-150UR-CD-T
D8	8-719-026-39	s	DIODE CL-150UR-CD-T
D10	8-719-026-39	s	DIODE CL-150UR-CD-T
D11	8-719-026-39	s	DIODE CL-150UR-CD-T
D12	8-719-026-39	s	DIODE CL-150UR-CD-T
D13	8-719-026-39	s	DIODE CL-150UR-CD-T
IC2	8-759-530-05	s	IC TC4053BFT(EL,N)
IC3	8-759-710-28	s	IC NJM4565M-A
IC4	8-759-260-53	s	IC LM2903PW-E05
IC5	8-759-209-15	s	IC TC4SU69F
IC6	8-759-112-53	s	IC UPC1663G
IC7	8-759-112-53	s	IC UPC1663G
IC8	8-759-101-12	s	IC UPC311G2
IC10	8-759-431-99	s	IC BR9020F-E2
IC11	8-759-196-96	s	IC TC7SH08FU-TE85R
L1	1-424-642-11	s	INDUCTOR 47uH
L2	1-424-642-11	s	INDUCTOR 47uH
L3	1-424-642-11	s	INDUCTOR 47uH
L10	1-410-385-11	s	INDUCTOR, CHIP 22uH
L11	1-410-385-11	s	INDUCTOR, CHIP 22uH
Q1	8-729-118-56	s	TRANSISTOR 2SK852-X2
Q2	8-729-020-93	s	TRANSISTOR 2SC2982C-TE12L
Q3	8-729-117-32	s	TRANSISTOR 2SC4177
Q4	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q5	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q6	8-729-824-34	s	TRANSISTOR 2SJ187
Q7	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q8	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q9	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q10	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q11	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q12	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q13	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q14	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q15	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q16	8-729-143-14	s	TRANSISTOR 2SC4176-B35
Q17	8-729-117-32	s	TRANSISTOR 2SC4177
R1	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R2	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R3	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R4	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R5	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W

(HN-260 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R6	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R7	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R8	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R9	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R10	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R11	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R12	1-218-744-11	s	METAL, CHIP 150K 0.50% 1/16W
R13	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R14	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R15	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R16	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R17	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R18	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R19	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R20	1-216-852-11	s	METAL, CHIP 390K 5% 1/16W
R21	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R22	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R23	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R24	1-216-298-00	s	METAL, CHIP 2.2 5% 1/10W
R25	1-216-298-00	s	METAL, CHIP 2.2 5% 1/10W
R26	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R27	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R28	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R29	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R30	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R31	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R32	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R33	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R34	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R35	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R36	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R37	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R38	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R39	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R40	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R41	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R42	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R43	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R44	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R45	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R46	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R47	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R48	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R49	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R50	1-216-805-11	s	METAL, CHIP 47 5% 1/16W
R51	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R52	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R53	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R54	1-216-820-11	s	METAL, CHIP 820 5% 1/16W
R55	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R56	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R57	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R58	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R59	1-216-810-11	s	METAL, CHIP 120 5% 1/16W
R60	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R61	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R62	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R63	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R64	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R65	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W

(HN-260 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R66	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R67	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R68	1-216-820-11	s	METAL, CHIP 820 5% 1/16W
R69	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R70	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R71	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R72	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R73	1-216-820-11	s	METAL, CHIP 820 5% 1/16W
R74	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R75	1-216-809-11	s	METAL, CHIP 100 5% 1/16W
R76	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R77	1-216-815-11	s	METAL, CHIP 330 5% 1/16W
R78	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R79	1-216-817-11	s	METAL, CHIP 470 5% 1/16W
R80	1-216-828-11	s	METAL, CHIP 3.9K 5% 1/16W
RB1	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB2	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB3	1-239-407-11	s	NETWORK RESISTOR (CHIP) 330
RV1	1-241-267-11	s	RES, ADJ, CERMET 100K
S1	1-692-881-41	s	SWITCH, SLIDE
S2	1-692-032-21	s	SWITCH, TACTILE (HORIZONTAL)
S3	1-692-032-21	s	SWITCH, TACTILE (HORIZONTAL)
S4	1-571-658-11	s	SWITCH, SLIDE

HP-93 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-459-A	o	MOUNTED CIRCUIT BOARD, HP-93
C1	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C2	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
CN1	1-580-057-11	o	PIN, CONNECTOR (SMD) 4P
CN10	1-564-719-11	o	PIN HEADER, ANGLE 3P
F1	⚠ 1-533-282-21	s	LINK, IC
FL1	1-239-895-11	s	FILTER, EMI (SMD)
J1	1-507-980-41	s	JACK, MINI
L1	1-412-170-11	s	INDUCTOR 0.47uH
L2	1-410-389-31	s	INDUCTOR, CHIP 47uH
Q1	8-729-013-37	s	TRANSISTOR 2SC4213-AB-TE85L
Q2	8-729-013-37	s	TRANSISTOR 2SC4213-AB-TE85L
R1	1-216-607-11	s	METAL, CHIP 15 0.50% 1/10W
R2	1-216-607-11	s	METAL, CHIP 15 0.50% 1/10W
R4	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R5	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W

IF-716 BOARD

Note
*u: Serial No.10056 and higher (707 SY)
30011 and higher (707 J)
10106 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10091 and higher (790WS SY)
40121 and higher (707P)
40191 and higher (709WSP)
40336 and higher (790WSP)
*v: Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10105 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10090 (790WS SY)
40001 through 40120 (707P)
40001 through 40190 (709WSP)
40001 through 40335 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-786-A	o	MOUTED CIRCUIT BOARD, IF-716
C1	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C2	1-111-253-11	s	TANTALUM 100uF 20% 6.3V
C3	1-163-227-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C4	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C5	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C6	1-163-227-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C7	1-163-227-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C8	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C9	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C10	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C11	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C12	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C13	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C14	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C15	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C16	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C17	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C18	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C19	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C20	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
CN100	1-580-536-11	s	CONNECTOR, LY 14P, MALE
CN200	1-506-494-11	s	CONNECTOR 15P, MALE
CN300	1-566-764-11	o	CONNECTOR 9P, MALE
CN400	1-566-763-11	o	CONNECTOR 8P, MAEL
CN500	1-566-767-11	o	CONNECTOR 12P, MALE
CN600	1-566-762-11	o	CONNECTOR 7P, MALE
D1	8-719-157-20	s	DIODE RD4.3M-B
D2	8-719-157-20	s	DIODE RD4.3M-B
D101	8-719-800-76	s	DIODE 1SS226
FB1	1-543-622-11	s	FERRITE 0uH
FB2	1-543-622-11	s	FERRITE 0uH
FB3	1-543-622-11	s	FERRITE 0uH
FB4	1-543-622-11	s	FERRITE 0uH
FB5	1-543-622-11	s	FERRITE 0uH
FB6	1-543-622-11	s	FERRITE 0uH
FB7	1-543-622-11	s	FERRITE 0uH
FB8	1-543-622-11	s	FERRITE 0uH
FB9	1-543-622-11	s	FERRITE 0uH
FB10	1-543-622-11	s	FERRITE 0uH
FB11	1-543-622-11	s	FERRITE 0uH

(IF-716 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC1	8-759-700-84	s	IC NJM2041M-D
IC2	8-759-700-84	s	IC NJM2041M-D
IC3	8-759-710-78	s	IC NJM082BM
IC4	8-759-710-88	s	IC NJM431U
IC101	8-759-175-04	s	IC PCF8574T-T
IC102	8-759-678-06	s	IC CAT24WC02JI-TE13
IC103	8-759-700-07	s	IC NJM2903M
L1	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L2	1-410-737-31	s	INDUCTOR CHIP 0.47uH
Q1	8-729-020-94	s	TRANSISTOR 2SA1314C-TE12L
Q2	8-729-808-42	s	TRANSISTOR 2SD1624-T
Q101	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
R1	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R3	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R4	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R5	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R6	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R7	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R8	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R9	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R10	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R11	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R12	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R13	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R14	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R15	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R16	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R17*u	1-216-693-11	s	RESISTOR, CHIP 56K 0.5% 1/10W
R17*v	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R18*u	1-216-685-11	s	RESISTOR, CHIP 27K 0.5% 1/10W
R18*v	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R19	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R20	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R21	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R22	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R23	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R24	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R25	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R26	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R27	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R28	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R29	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R30	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R31	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R32	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W

IO-178 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-251-A	o	MOUNTED CIRCUIT BOARD, IO-178
C1	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
CN1	1-760-388-11	o	CONNECTOR PIN (SMD) 9 PIN
FL1	1-239-896-12	s	FILTER, EMI (SMD)
FL2	1-239-896-12	s	FILTER, EMI (SMD)
FL3	1-239-895-11	s	FILTER, EMI (SMD)
FL4	1-239-895-11	s	FILTER, EMI (SMD)
FL5	1-239-895-11	s	FILTER, EMI (SMD)
R1	1-216-295-11	s	CONDUCTOR, CHIP 0
R2	1-216-295-11	s	CONDUCTOR, CHIP 0
R3	1-216-295-11	s	CONDUCTOR, CHIP 0
VDR1	1-806-497-00	s	VARISTOR ERZ-C05DK220

KY-293 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-652-769-12	o	PC BOARD, KY-293
CN150	1-766-382-11	o	PIN, CONNECTOR (1.5MM)(SMD)10P
D101	8-719-026-39	s	DIODE CL-150UR-CD-T
D102	8-719-026-39	s	DIODE CL-150UR-CD-T
D103	8-719-026-39	s	DIODE CL-150UR-CD-T
R101	1-216-045-00	s	METAL, CHIP 680 5% 1/10W
R102	1-216-045-00	s	METAL, CHIP 680 5% 1/10W
R103	1-216-045-00	s	METAL, CHIP 680 5% 1/10W
S101	1-572-725-11	s	SWITCH, PUSH
S102	1-572-725-11	s	SWITCH, PUSH
S103	1-572-725-11	s	SWITCH, PUSH
S104	1-572-725-11	s	SWITCH, PUSH
S105	1-572-725-11	s	SWITCH, PUSH

LP-109 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-928-11	o	PRINTED CIRCUIT BOARD, LP-109
1pc	2-358-583-01	o	HOLDER, LED
C101	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
CN101	1-565-874-11	s	PIN, CONNECTOR (PC BOARD) 2P
D101	8-719-032-78	s	DIODE GL3UR8
R101	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
S101	1-570-608-11	s	SWITCH, TOGGLE

LP-111 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-912-12	o	PRINTED CIRCUIT BOARD, LP-111
CN101	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
D101	8-719-989-53	s	DIODE CL-200HR-C-TSL
R1	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W

MA-94 BOARD

Note
*w: Serial No.10056 and higher (707 SY)
30011 and higher (707 J)
10121 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10131 and higher (790WS SY)
40156 and higher (707P)
40226 and higher (709WSP)
40401 and higher (790WSP)
*x: Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10120 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10130 (790WS SY)
40001 through 40155 (707P)
40001 through 40225 (709WSP)
40001 through 40400 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-785-A	o	MOUTED CIRCUIT BOARD, MA-94
C101	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C102	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C103	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C104	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C105	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C106	1-126-795-11	s	ELECT 10uF 20% 50V
C107	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C108	1-126-795-11	s	ELECT 10uF 20% 50V
C109	1-126-795-11	s	ELECT 10uF 20% 50V
C114	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C115	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C116	1-163-227-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
C117	1-163-227-11	s	CERAMIC, CHIP 10PF 0.5PF 50V
CN10*w	1-766-386-13	s	CONNECTOR, 3P-XLR TYPE(FEMALE)
CN10*x	1-766-386-12	s	CONNECTOR, 3P-XLR TYPE(FEMALE)
CN30	1-766-376-11	o	PIN, CONNECTOR (1.5MM)(SMD) 9P
D101	8-719-800-76	s	DIODE 1SS226
D102	8-719-800-76	s	DIODE 1SS226
IC101	8-759-700-84	s	IC NJM2041M-D
L101	1-412-137-11	s	INDUCTOR 10uH
L102	1-412-137-11	s	INDUCTOR 10uH
Q101	8-729-271-31	s	TRANSISTOR 2SC2713G
R101	1-216-083-00	s	METAL, CHIP 27K 5% 1/10W
R102	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R103	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R110	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R111	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R112	1-216-634-11	s	METAL, CHIP 200 0.50% 1/10W
R113	1-216-644-11	s	METAL, CHIP 510 0.5% 1/10W
R114	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R115	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W

MB-810 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-221-A	o	MOUNTED CIRCUIT BOARD, MB-810
14pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
C1	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C2	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C3	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C6	1-115-416-11	s	CERAMIC 1000PF 5% 25V
CN1	1-691-845-11	o	CONNECTOR, BOARD TO BOARD 50P
CN3	1-691-845-11	o	CONNECTOR, BOARD TO BOARD 50P
CN5	1-778-531-11	o	CONNECTOR, BOARD TO BOARD 80P
CN6	1-778-531-11	o	CONNECTOR, BOARD TO BOARD 80P
CN10	1-580-055-21	o	PIN, CONNECTOR (SMD) 2P
CN22	1-569-532-11	s	HOUSING, 30P
CN23	1-569-532-11	s	HOUSING, 30P
CN50	1-764-007-11	o	PIN, CONNECTOR (SMD) 12P
CN60	1-580-756-21	o	PIN, CONNECTOR (SMD) 7P
CN101	1-778-542-11	o	CONNECTOR, BOARD TO BOARD 52P
IC1	8-759-209-97	s	IC TC4S81F
L1	1-410-389-31	s	INDUCTOR, CHIP 47uH
L2	1-410-389-31	s	INDUCTOR, CHIP 47uH
Q1	8-729-117-32	s	TRANSISTOR 2SC4177
R1	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R2	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R3	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R4	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R5	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R6	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R7	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R8	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R9	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

MB-811 BOARD

Note
*y : Serial No.10001 through 10010 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10025 (709WS SY)
10001 through 10015 (790WS SY)
40001 through 40020 (707P)
40001 through 40070 (709WSP)
40001 through 40060 (790WSP)
*z : Serial No.10011 and higher (707 SY)
30006 and higher (707 J/709WS J/790WS J)
10026 and higher (709WS SY)
10016 and higher (790WS SY)
40021 and higher (707P)
40071 and higher (709WSP)
40061 and higher (790WSP)
*a': Serial No.10001 through 10020 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10035 (709WS SY/790WS SY)
40001 through 40035 (707P)
40001 through 40100 (709WSP)
40001 through 40085 (790WSP)
*b': Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J/709WS J/790WS J)
10001 through 10125 (709WS SY)
10001 through 10160 (790WS SY)
40001 through 40190 (707P)
40001 through 40255 (709WSP)
40001 through 40510 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-456-A	o	*MOUNTED CIRCUIT BOARD, MB-811*
15pcs*y	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
12pcs*z	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
C1	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C4	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C5	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C6	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C7	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C8	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C9	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C10	1-162-995-11	s	CERAMIC, CHIP 0.022uF 50V
C11	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C12	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C13	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C14	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C15	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C16	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C17	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C18	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C19	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C21	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C22	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C23	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C24	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C25	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C26	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C27	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C28	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C29	1-162-995-11	s	CERAMIC, CHIP 0.022uF 50V
C30	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C31	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C32	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-128-394-11	s	ELECT 220uF 20% 10V

Ref. No. or Q'ty	Part No.	SP	Description
C50*a'	1-124-589-11	s	CAPACITOR, ELECT 47uF/16V
C201	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C202	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C203	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C204	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
CN1	1-764-243-11	o	CONNECTOR (COAXIAL)
CN5	1-778-003-11	o	CONNECTOR, BOARD TO BOARD 80P
CN6	1-778-003-11	o	CONNECTOR, BOARD TO BOARD 80P
CN21	1-569-531-11	s	HOUSING, 20P
CN23	1-778-551-11	o	PIN, CONNECTOR 20P
CN31	1-695-223-21	s	PIN, CONNECTOR (SMD) 10P
CN32	1-580-056-21	o	PIN, CONNECTOR (SMD) 3P
CN33	1-580-057-11	o	PIN, CONNECTOR (SMD) 4P
CN40	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN51	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN54	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN55	1-580-055-21	o	PIN, CONNECTOR (SMD) 2P
CN109	1-750-933-21	o	PIN, CONNECTOR 12P
D1	8-719-941-86	s	DIODE DAN202U
D2	8-719-941-86	s	DIODE DAN202U
D3	8-719-404-35	s	DIODE MA141WK
D10	8-719-941-86	s	DIODE DAN202U
D11	8-719-980-38	s	DIODE SB07-03C-TB
D12	8-719-941-86	s	DIODE DAN202U
F101	1-576-122-21	s	LINK, IC
IC1*b'	8-759-175-57	s	IC CXD8820AR
IC2	8-759-173-16	s	IC TL062CPW
IC3	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC5	8-759-421-88	s	IC SN74LVC821APW-E05
IC6*b'	8-759-421-88	s	IC SN74LVC821APW-E05
IC7	8-759-588-98	s	IC SN74CBT16212ADGGR
IC10	8-759-523-81	s	IC TC74VHC08FT(EL)
IC11	8-759-523-78	s	IC TC74VHC00FT(EL)
IC101	8-759-175-04	s	IC PCF8574T-T
IC102	8-759-175-04	s	IC PCF8574T-T
IC103	8-759-175-04	s	IC PCF8574T-T
IC105	8-759-485-79	s	IC TC7SET08FU(TE85R)
Q1	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q2	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q3	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q4	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q5	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q6	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q7	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q8	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q9	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q10	8-729-117-32	s	TRANSISTOR 2SC4177
Q11	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
Q12	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
Q13	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q14	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q15	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q16	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q20	8-729-101-07	s	TRANSISTOR 2SB798
Q21	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q22	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q23	8-729-029-14	s	TRANSISTOR DTC144EUA-T106

(MB-811 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q24	8-729-101-07	s	TRANSISTOR 2SB798
Q25	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q26	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
R1	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R2	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R3	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R4	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R5	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R6	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R8	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R9	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R10	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R11	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R12	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R13	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R14	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R15	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R16	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R17	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R18	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R19	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R20	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R21	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R22	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R23	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R24	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R25	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R26	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R27	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R28	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R29	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R30	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R31	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R32	1-216-295-11	s	CONDUCTOR, CHIP 0
R33	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R34	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R35	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R36	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R37	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R90	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R100	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R103	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R104	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R111	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R112	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R113	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R115	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R116	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R117	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R118	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R120	1-218-233-11	s	METAL, CHIP 47 5% 1/2W
R121	1-220-250-11	s	METAL, CHIP 10 5% 1/2W
R1114	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
RB18*b'	1-239-310-11	s	RESISTOR ARRAY, CHIP 220K
RB20	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB21	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB103	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB104	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K

(MB-811 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB105	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB106	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB107	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB108	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB109	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB110	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K

PA-228 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C4	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C5	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C6	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C7	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C8	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C9	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C10	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C11	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C14	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C15	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C16	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C19	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C20	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C21	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C22	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C23	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C30	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C31	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C32	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C33	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C34	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C35	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C36	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C57	1-113-981-11	s	TANTALUM, CHIP 22uF 20% 20V
C58	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C60	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C61	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C62	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C63	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C64	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C65	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C66	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C67	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C68	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C69	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C70	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C71	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C72	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C73	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C74	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C75	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
CN1	1-506-467-11	o	CONNECTOR 2P, MALE
CN2	1-506-467-11	o	CONNECTOR 2P, MALE
CN3	1-506-467-11	o	CONNECTOR 2P, MALE
CN4	1-568-331-11	s	CONNECTOR, BOARD TO BOARD 10P

(PA-228 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
CN5	1-691-942-11	s	CONNECTOR, BOARD TO BOARD 30P
CN7	1-691-942-11	s	CONNECTOR, BOARD TO BOARD 30P
D1	8-719-041-68	s	DIODE RD3.3UH-T1
D2	8-719-029-57	s	DIODE RD2.4UH-T1
D3	8-719-041-68	s	DIODE RD3.3UH-T1
D4	8-719-041-68	s	DIODE RD3.3UH-T1
IC1	8-752-052-72	s	IC CXA1439M
IC2	8-759-082-53	s	IC TLC274CPW
IC3	8-759-196-96	s	IC TC7SH08FU-TE85R
IC4	8-759-196-96	s	IC TC7SH08FU-TE85R
IC5	8-759-337-40	s	IC NJM2904V(TE2)
IC6	8-759-392-01	s	IC TC7SH86FU-TE85R
IC7	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC8	8-752-052-72	s	IC CXA1439M
IC9	8-759-196-96	s	IC TC7SH08FU-TE85R
IC10	8-759-196-96	s	IC TC7SH08FU-TE85R
IC11	8-759-392-01	s	IC TC7SH86FU-TE85R
IC12	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC13	8-752-052-72	s	IC CXA1439M
IC14	8-759-196-96	s	IC TC7SH08FU-TE85R
IC15	8-759-196-96	s	IC TC7SH08FU-TE85R
IC16	8-759-392-01	s	IC TC7SH86FU-TE85R
IC17	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC18	8-759-392-01	s	IC TC7SH86FU-TE85R
IC19	8-759-392-01	s	IC TC7SH86FU-TE85R
IC20	8-759-066-68	s	IC REF-03GS
IC21	8-759-392-01	s	IC TC7SH86FU-TE85R
IC22	8-759-196-96	s	IC TC7SH08FU-TE85R
IC23	8-759-196-96	s	IC TC7SH08FU-TE85R
IC25	8-759-082-61	s	IC TC4W53FU
IC26	8-759-082-61	s	IC TC4W53FU
IC27	8-759-082-61	s	IC TC4W53FU
L1	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L2	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L3	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L4	1-410-737-31	s	INDUCTOR CHIP 0.47uH
L5	1-410-737-31	s	INDUCTOR CHIP 0.47uH
Q3	8-729-122-63	s	TRANSISTOR 2SA1226
Q4	8-729-216-22	s	TRANSISTOR 2SA1162
Q5	8-729-216-22	s	TRANSISTOR 2SA1162
Q8	8-729-122-63	s	TRANSISTOR 2SA1226
Q9	8-729-216-22	s	TRANSISTOR 2SA1162
Q12	8-729-122-63	s	TRANSISTOR 2SA1226
Q13	8-729-216-22	s	TRANSISTOR 2SA1162
R1	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R4	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R5	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R6	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R7	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R9	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R13	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R14	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R15	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R16	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R17	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R18	1-216-789-11	s	METAL, CHIP 2.2 5% 1/16W
R19	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W

(PA-228 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R20	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R21	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R22	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R23	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R26	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R27	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R28	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R29	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R31	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R35	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R36	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R37	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R38	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R39	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R40	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R43	1-218-664-11	s	METAL, CHIP 68 0.50% 1/16W
R44	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R45	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R46	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R50	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R52	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R53	1-218-719-11	s	METAL, CHIP 13K 0.50% 1/16W
R54	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R55	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R56	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R57	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R58	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R59	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R60	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R61	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R62	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R63	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R64	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R65	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R68	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R70	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R71	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R91	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R93	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R94	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R95	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R96	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R97	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R99	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R100	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R104	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R105	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R106	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R107	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R110	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R111	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R112	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R113	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R116	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R117	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R118	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R119	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
RV1	1-237-034-11	s	RES, ADJ METAL 2K
RV2	1-237-034-11	s	RES, ADJ METAL 2K
RV3	1-237-034-11	s	RES, ADJ METAL 2K
RV4	1-237-034-11	s	RES, ADJ METAL 2K
RV5	1-237-034-11	s	RES, ADJ METAL 2K
RV6	1-237-034-11	s	RES, ADJ METAL 2K

PS-533 BOARD

Note
*c': Serial No.10056 and higher (707 SY)
30006 and higher (707 J/709WS J/790WS J)
10086 and higher (709WS SY)
10061 and higher (790WS SY)
40106 and higher (707P)
40176 and higher (709WSP)
40216 and higher (790WSP)
*d': Serial No.10001 through 10055 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10085 (709WS SY)
10001 through 10060 (790WS SY)
40001 through 40105 (707P)
40001 through 40175 (709WSP)
40001 through 40215 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-474-A	o	MOUNTED CIRCUIT BOARD, PS-533
C101*c'	1-115-784-11	s	CAPACITOR, ELECT 270MF/25V
C101*d'	1-111-059-11	s	ELECT 220MF 20% 25V
C102	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C103	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C104	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C105	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C106	1-127-520-11	s	ELECT 68uF 20% 20V
C107	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C108	1-163-009-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C109	1-107-690-11	s	TANTALUM, CHIP 6.8uF 20% 35V
C110	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C111	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C112	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C113	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C114	1-164-004-11	s	CERAMIC, CHIP 0.1uF 10% 25V
C115	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
CN101	1-564-720-11	o	PIN HEADER, ANGLE 4P
CN102	1-564-722-11	o	CONNECTOR, 6P, MALE
D101	8-719-023-54	s	DIODE EA60QC06-F
D102	8-719-941-86	s	DIODE DAN202U
FL101	1-117-193-11	s	CERAMIC 1.5MF 50V
IC101	8-759-521-35	s	IC TL5001CD
IC102	8-759-701-36	s	IC NJM3403AM
IC103	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
IC104	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
IC105	8-729-043-74	s	TRANSISTOR SI4435DY-T1-REVA
L101	1-421-459-21	s	COIL, CHOKE
L102	1-411-968-11	s	COIL, CHOKE 33uH
Q101	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q102	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q103	8-729-117-32	s	TRANSISTOR 2SC4177
Q104	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q105	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q106	8-729-117-32	s	TRANSISTOR 2SC4177
Q107	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
R101	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R102	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R103	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R104	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R105	1-219-684-11	s	METAL, CHIP 0.01 1% 1W
R106	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R107	1-216-631-11	s	METAL, CHIP 150 0.50% 1/10W
R108	1-218-717-11	s	METAL, CHIP 11K 0.50% 1/16W
R109	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R110	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R111	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R112	1-218-749-11	s	METAL, CHIP 240K 0.50% 1/16W
R113	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R114	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R115	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R116	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R117	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R118	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R119	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R120	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R121	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R122	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

RC-69 BOARD(for DVW-790WS/709WS)
-----------(for DVW-709WSP/709WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-706-A	o	MOUTED CIRCUIT BOARD, RC-69
C2	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C3	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C5	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C8	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C12	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C15	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
CN3	1-770-677-11	o	CONNECTOR, BOARD TO BOARD 50P
CN4	1-770-677-11	o	CONNECTOR, BOARD TO BOARD 50P
IC1	8-759-523-78	s	IC TC74VHC00FT(EL)
IC2	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC3	8-759-523-95	s	IC TC74VHC74FT(EL)
IC4	8-759-529-76	s	IC TC74VHC595FT(EL)
IC5	8-759-529-76	s	IC TC74VHC595FT(EL)
IC6	8-759-524-10	s	IC TC74VHC157FT(EL)
IC7	8-759-524-10	s	IC TC74VHC157FT(EL)
IC8	8-759-524-10	s	IC TC74VHC157FT(EL)
IC9	8-759-524-10	s	IC TC74VHC157FT(EL)
IC10	8-759-523-96	s	IC TC74VHC86FT(EL)
IC11	8-759-524-51	s	IC TC74VHC573FT(EL)
IC12	8-759-524-51	s	IC TC74VHC573FT(EL)
IC13	8-759-524-51	s	IC TC74VHC573FT(EL)
IC14	8-752-360-44	s	IC CXK1203AR-T4
IC15	8-752-360-44	s	IC CXK1203AR-T4
IC16	8-752-360-44	s	IC CXK1203AR-T4
IC17	8-752-360-44	s	IC CXK1203AR-T4
IC18	8-759-421-88	s	IC SN74LVC821APW-E05
IC19	8-759-421-88	s	IC SN74LVC821APW-E05
IC20	8-752-360-44	s	IC CXK1203AR-T4
IC21	8-752-360-44	s	IC CXK1203AR-T4
IC22	8-752-360-44	s	IC CXK1203AR-T4
IC23	8-752-360-44	s	IC CXK1203AR-T4
IC24	8-759-421-88	s	IC SN74LVC821APW-E05
IC25	8-759-421-88	s	IC SN74LVC821APW-E05
R1	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R2	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R3	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R4	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R5	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R6	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R9	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R11	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R12	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

RC-75 BOARD(for DVW-790WS/709WS)
-----------(for DVW-709WSP/709WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-707-A	o	MOUTED CIRCUIT BOARD, RC-75
C1	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C6	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C8	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C9	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C10	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C11	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C12	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C15	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
CN3	1-770-678-11	o	CONNECTOR, BOARD TO BOARD 50P
CN4	1-770-678-11	o	CONNECTOR, BOARD TO BOARD 50P
IC1	8-759-524-51	s	IC TC74VHC573FT(EL)
IC2	8-759-524-51	s	IC TC74VHC573FT(EL)
IC3	8-759-524-51	s	IC TC74VHC573FT(EL)
IC4	8-759-524-51	s	IC TC74VHC573FT(EL)
IC5	8-759-529-76	s	IC TC74VHC595FT(EL)
IC6	8-759-529-76	s	IC TC74VHC595FT(EL)
IC7	8-752-360-44	s	IC CXK1203AR-T4
IC8	8-752-360-44	s	IC CXK1203AR-T4
IC9	8-752-360-44	s	IC CXK1203AR-T4
IC10	8-752-360-44	s	IC CXK1203AR-T4
IC11	8-752-360-44	s	IC CXK1203AR-T4
IC12	8-752-360-44	s	IC CXK1203AR-T4
IC13	8-752-360-44	s	IC CXK1203AR-T4
IC14	8-752-360-44	s	IC CXK1203AR-T4
IC15	8-759-421-88	s	IC SN74LVC821APW-E05
IC16	8-759-421-88	s	IC SN74LVC821APW-E05
IC17	8-759-421-88	s	IC SN74LVC821APW-E05
IC18	8-759-421-88	s	IC SN74LVC821APW-E05
IC19	8-752-360-44	s	IC CXK1203AR-T4
IC20	8-752-360-44	s	IC CXK1203AR-T4
IC21	8-759-421-88	s	IC SN74LVC821APW-E05

RE-160 BOARD

Note
*e': Serial No.10056 and higher (707 SY)
30011 and higher (707 J/709WS J/790WS J)
10126 and higher (709WS SY)
10161 and higher (790WS SY)
40191 and higher (707P)
40256 and higher (709WSP)
40511 and higher (790WSP)
*f': Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J/709WS J/790WS J)
10001 through 10125 (709WS SY)
10001 through 10160 (790WS SY)
40001 through 40190 (707P)
40001 through 40255 (709WSP)
40001 through 40510 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
3pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
C1	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C2	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V
C3	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C5	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C7	1-127-513-00	s	ELECT 15uF 20% 25V
C8	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C101	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C102	1-127-530-11	s	ELECT 22uF 20% 20V
C103	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C104	1-117-154-11	s	ELECT 33uF 20% 16V
C105	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C106	1-111-008-11	s	ELECT 180uF 20% 10V
C201	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C202	1-127-530-11	s	ELECT 22uF 20% 20V
C203	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C204	1-117-154-11	s	ELECT 33uF 20% 16V
C205	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C206	1-111-008-11	s	ELECT 180uF 20% 10V
C300	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C301	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C302	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C303	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C304	1-113-577-11	s	ELECT 47uF 20% 16V
C305	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C306	1-111-034-11	s	ELECT 220uF 20% 6.3V
C307	1-127-513-00	s	ELECT 15uF 20% 25V
C400	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C401	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C402	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C403	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C404	1-113-577-11	s	ELECT 47uF 20% 16V
C405	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C406	1-111-034-11	s	ELECT 220uF 20% 6.3V
C407	1-127-513-00	s	ELECT 15uF 20% 25V
C700	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C701	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C702	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C703	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C704	1-113-577-11	s	ELECT 47uF 20% 16V
C705	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C706	1-111-034-11	s	ELECT 220uF 20% 6.3V
C707	1-127-513-00	s	ELECT 15uF 20% 25V
C800	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C801	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C802	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C803	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C804	1-113-577-11	s	ELECT 47uF 20% 16V
C805	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C806	1-111-034-11	s	ELECT 220uF 20% 6.3V
C807	1-127-513-00	s	ELECT 15uF 20% 25V
C901	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C902	1-127-530-11	s	ELECT 22uF 20% 20V
C903	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C904	1-111-110-11	s	ELECT 39uF 20% 50V
C905	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C906	1-111-110-11	s	ELECT 39uF 20% 50V
C907	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C908*e'	1-127-531-11	s	ELECT 33uF/20V
C908*f'	1-117-154-11	s	ELECT 33uF 20% 16V
C909	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C910	1-111-032-11	s	ELECT 120uF 20% 16V
C911	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C912	1-117-154-11	s	ELECT 33uF 20% 16V
C913	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C914	1-111-008-11	s	ELECT 180uF 20% 10V
C915	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C916	1-117-154-11	s	ELECT 33uF 20% 16V
C917	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C918	1-111-032-11	s	ELECT 120uF 20% 16V
CN1	1-573-310-11	s	CONNECTOR, BOARD TO BOARD 20P
CN2	1-573-310-11	s	CONNECTOR, BOARD TO BOARD 20P
CN4	1-695-223-21	s	PIN, CONNECTOR (SMD) 10P
D1	8-719-104-34	s	DIODE 1S2835
D2	8-719-104-34	s	DIODE 1S2835
D3	8-719-104-34	s	DIODE 1S2835
D4	8-719-104-34	s	DIODE 1S2835
D5	8-719-104-34	s	DIODE 1S2835
D6	8-719-104-34	s	DIODE 1S2835
D7	8-719-104-34	s	DIODE 1S2835
D8	8-719-104-34	s	DIODE 1S2835
D101	8-719-048-17	s	DIODE MBRS130LT3
D201	8-719-048-17	s	DIODE MBRS130LT3
D300	8-719-938-75	s	DIODE SB05-05CP
D301	8-719-938-75	s	DIODE SB05-05CP
D400	8-719-938-75	s	DIODE SB05-05CP
D401	8-719-938-75	s	DIODE SB05-05CP
D700	8-719-938-75	s	DIODE SB05-05CP
D701	8-719-938-75	s	DIODE SB05-05CP
D800	8-719-938-75	s	DIODE SB05-05CP
D801	8-719-938-75	s	DIODE SB05-05CP
D901	8-719-989-93	s	DIODE SB01-15CP-TB
D902	8-719-938-75	s	DIODE SB05-05CP
D903	8-719-980-38	s	DIODE SB07-03C-TB
D904	8-719-938-75	s	DIODE SB05-05CP
IC1	8-759-560-89	s	IC MB3761PF-ER
IC103	8-729-040-75	s	TRANSISTOR SI4953DY-T1
IC203	8-729-040-75	s	TRANSISTOR SI4953DY-T1
IC300	8-729-039-35	s	TRANSISTOR SI9435DY-T1
IC400	8-729-039-35	s	TRANSISTOR SI9435DY-T1
IC703	8-729-039-35	s	TRANSISTOR SI9435DY-T1
IC800	8-729-039-35	s	TRANSISTOR SI9435DY-T1
IC900	8-729-039-35	s	TRANSISTOR SI9435DY-T1

(RE-160 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L101	1-409-579-11	s	INDUCTOR 8.2uH
L102	1-409-722-11	s	INDUCTOR 220uH
L103	1-409-579-11	s	INDUCTOR 8.2uH
L201	1-409-579-11	s	INDUCTOR 8.2uH
L202	1-409-722-11	s	INDUCTOR 220uH
L203	1-409-579-11	s	INDUCTOR 8.2uH
L300	1-409-579-11	s	INDUCTOR 8.2uH
L302	1-409-721-11	s	INDUCTOR 42uH
L303	1-409-579-11	s	INDUCTOR 8.2uH
L400	1-409-579-11	s	INDUCTOR 8.2uH
L402	1-409-721-11	s	INDUCTOR 42uH
L403	1-409-579-11	s	INDUCTOR 8.2uH
L701	1-409-579-11	s	INDUCTOR 8.2uH
L702	1-409-721-11	s	INDUCTOR 42uH
L703	1-409-579-11	s	INDUCTOR 8.2uH
L801	1-409-579-11	s	INDUCTOR 8.2uH
L802	1-409-721-11	s	INDUCTOR 42uH
L803	1-409-579-11	s	INDUCTOR 8.2uH
L901	1-409-579-11	s	INDUCTOR 8.2uH
L902	1-409-579-11	s	INDUCTOR 8.2uH
L903	1-409-579-11	s	INDUCTOR 8.2uH
L904	1-409-579-11	s	INDUCTOR 8.2uH
L905	1-409-579-11	s	INDUCTOR 8.2uH
Q1	8-729-027-38	s	TRANSISTOR DTA144EKA-T146
Q2	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q6	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q7	8-729-216-22	s	TRANSISTOR 2SA1162
Q8	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q12	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q101	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q102	8-729-112-65	s	TRANSISTOR 2SA1462
Q201	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q202	8-729-112-65	s	TRANSISTOR 2SA1462
Q300	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q301	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q302	8-729-112-65	s	TRANSISTOR 2SA1462
Q303	8-729-031-39	s	TRANSISTOR MTD20N03HDL
Q400	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q401	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q402	8-729-112-65	s	TRANSISTOR 2SA1462
Q403	8-729-031-39	s	TRANSISTOR MTD20N03HDL
Q700	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q701	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q702	8-729-112-65	s	TRANSISTOR 2SA1462
Q704	8-729-031-39	s	TRANSISTOR MTD20N03HDL
Q800	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q801	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q802	8-729-112-65	s	TRANSISTOR 2SA1462
Q803	8-729-031-39	s	TRANSISTOR MTD20N03HDL
Q900	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q901	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q902	8-729-112-65	s	TRANSISTOR 2SA1462
R1	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2	1-216-686-11	s	METAL, CHIP 30K 0.50% 1/10W
R3	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R4	1-216-696-11	s	METAL, CHIP 75K 0.50% 1/10W
R5	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R6	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R7	1-216-686-11	s	METAL, CHIP 30K 0.50% 1/10W
R8	1-216-089-91	s	METAL, CHIP 47k 5% 1/10W
R11	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R12	1-216-679-11	s	METAL, CHIP 15K 0.5% 1/10W
R13	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R14	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R15	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R20	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R21	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R22	1-216-089-91	s	METAL, CHIP 47k 5% 1/10W
R23	1-216-298-00	s	METAL, CHIP 2.2 5% 1/10W
R24	1-216-298-00	s	METAL, CHIP 2.2 5% 1/10W
R101	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R102	1-216-001-00	s	METAL, CHIP 10 5% 1/10W
R201	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R202	1-216-001-00	s	METAL, CHIP 10 5% 1/10W
R300	1-216-623-11	s	METAL, CHIP 68 0.50% 1/10W
R301	1-216-689-11	s	METAL, CHIP 39K 0.50% 1/10W
R302	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R303	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R304	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R305	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R306	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R400	1-216-623-11	s	METAL, CHIP 68 0.50% 1/10W
R401	1-216-689-11	s	METAL, CHIP 39K 0.50% 1/10W
R402	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R403	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R404	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R405	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R406	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R700	1-216-623-11	s	METAL, CHIP 68 0.50% 1/10W
R701	1-216-679-11	s	METAL, CHIP 15K 0.5% 1/10W
R702	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R703	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R704	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R705	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R706	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R800	1-216-623-11	s	METAL, CHIP 68 0.50% 1/10W
R801	1-216-689-11	s	METAL, CHIP 39K 0.50% 1/10W
R802	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R803	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R804	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R805	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R806	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R900	1-216-623-11	s	METAL, CHIP 68 0.50% 1/10W
R904	1-216-001-00	s	METAL, CHIP 10 5% 1/10W
R905	1-216-089-91	s	METAL, CHIP 47k 5% 1/10W
R906	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R907	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
T901	1-431-714-11	s	TRANSFORMER, DC-DC CONVERTER

RE-161 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V
C2	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C4	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C5	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C6	1-163-133-00	s	CERAMIC, CHIP 470PF 5% 50V
C7	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C9	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C10	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C11	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C17	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C18	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C19	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C21	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C22	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C23	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C101	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C102	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C201	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C202	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C301	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C302	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C401	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C402	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C701	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C702	1-104-760-11	s	CERAMIC, CHIP 0.047uF 10% 50V
C801	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C802	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C901	1-107-687-11	s	TANTALUM, CHIP 3.3uF 20% 20V
C902	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
CN1	1-573-338-11	s	CONNECTOR, BOARD TO BOARD 20P
CN2	1-573-338-11	s	CONNECTOR, BOARD TO BOARD 20P
IC1	8-759-066-68	s	IC REF-03GS
IC2	⚠ 8-759-260-57	s	IC TL1451ACPW-E05
IC3	8-759-260-57	s	IC TL1451ACPW-E05
IC5	8-759-260-57	s	IC TL1451ACPW-E05
IC6	8-759-260-57	s	IC TL1451ACPW-E05
Q1	8-729-027-41	s	TRANSISTOR DTA144WKA-T146
Q2	1-801-806-11	s	TRANSISTOR DTC144EKA-T146
Q3	8-729-027-44	s	TRANSISTOR DTC114TKA-T146
Q4	8-729-027-44	s	TRANSISTOR DTC114TKA-T146
Q6	8-729-027-44	s	TRANSISTOR DTC114TKA-T146
Q7	8-729-027-44	s	TRANSISTOR DTC114TKA-T146
R1	1-216-679-11	s	METAL, CHIP 15K 0.5% 1/10W
R9	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R101	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R102	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R103	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R104	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R105	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R106	⚠ 1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R107	⚠ 1-216-664-11	s	METAL, CHIP 3.6K 0.50% 1/10W
R108	⚠ 1-216-629-11	s	METAL, CHIP 120 0.50% 1/10W
R201	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R202	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R203	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R204	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R205	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R206	1-216-679-11	s	METAL, CHIP 15K 0.5% 1/10W
R207	1-216-662-11	s	METAL, CHIP 3K 0.50% 1/10W
R208	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R301	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R302	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R303	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R304	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R305	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R306	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R307	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R308	1-216-629-11	s	METAL, CHIP 120 0.50% 1/10W
R309	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R401	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R402	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R403	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R404	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R405	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R406	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R407	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R408	1-216-662-11	s	METAL, CHIP 3K 0.50% 1/10W
R409	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R701	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R702	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R703	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R704	1-216-689-11	s	METAL, CHIP 39K 0.50% 1/10W
R705	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R706	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R707	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R708	1-216-662-11	s	METAL, CHIP 3K 0.50% 1/10W
R709	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R801	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R802	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R803	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R804	1-216-689-11	s	METAL, CHIP 39K 0.50% 1/10W
R805	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R806	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R807	1-216-662-11	s	METAL, CHIP 3K 0.50% 1/10W
R808	1-216-679-11	s	METAL, CHIP 15K 0.5% 1/10W
R901	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R902	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R903	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R904	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R905	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R906	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R907	1-216-689-11	s	METAL, CHIP 39K 0.50% 1/10W
R908	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W

RM-180 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-906-11	o	PRINTED CIRCUIT BOARD, RM-180
CN6	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN7	1-766-696-11	o	CONNECTOR, 8P
FB1	1-543-622-11	s	FERRITE 0uH
FB2	1-543-622-11	s	FERRITE 0uH
FB3	1-543-622-11	s	FERRITE 0uH
FB4	1-543-622-11	s	FERRITE 0uH
FB5	1-543-622-11	s	FERRITE 0uH
FB6	1-543-622-11	s	FERRITE 0uH
FB7	1-543-622-11	s	FERRITE 0uH
FB8	1-543-622-11	s	FERRITE 0uH
FB9	1-543-622-11	s	FERRITE 0uH
FB10	1-543-622-11	s	FERRITE 0uH

SE-275 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8310-898-B	o	PRINTED CIRCUIT BOARD, SE-275
1pc	X-3678-171-1	o	PIN ASSY,DETECTION
1pc	X-3679-461-1	o	PIN ASSY(REC),DETECTION
1pc	3-679-714-02	o	HOLDER,SENSOR(A)
1pc	3-679-715-01	o	HOLDER,SENSOR(B)
5pcs	3-687-087-01	o	WASHER
C1	1-164-146-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C2	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C5	1-164-816-11	s	CERAMIC, CHIP 220PF 2% 50V
C6	1-164-146-11	s	CERAMIC, CHIP 0.0033uF 10% 50V
C7	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C8	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
CN1	1-764-007-11	o	PIN, CONNECTOR (SMD) 12P
CN2	1-580-789-21	o	PIN, CONNECTOR (SMD) 6P
CN3	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN4	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
CN5	1-695-320-21	s	PIN, CONNECTOR (1.5MM)(SMD) 2P
IC1	8-759-805-32	s	IC LA7205M
IC2	8-759-260-53	s	IC LM2903PW-E05
PD1	8-719-948-58	s	DIODE GP2S07B
PD2	8-719-948-58	s	DIODE GP2S07B
PD3	8-719-948-58	s	DIODE GP2S07B
PD4	8-719-948-58	s	DIODE GP2S07B
PD5	8-719-948-58	s	DIODE GP2S07B
PD6	8-719-948-58	s	DIODE GP2S07B
PD7	8-749-010-00	s	PHOTO INTERRUPTER GP1S33
Q1	8-729-117-32	s	TRANSISTOR 2SC4177
Q2	8-729-117-32	s	TRANSISTOR 2SC4177
Q3	8-729-117-32	s	TRANSISTOR 2SC4177
Q4	8-729-117-32	s	TRANSISTOR 2SC4177
Q5	8-729-117-32	s	TRANSISTOR 2SC4177
Q6	8-729-117-32	s	TRANSISTOR 2SC4177
Q7	8-729-117-32	s	TRANSISTOR 2SC4177
R1	1-216-818-11	s	METAL, CHIP 560 5% 1/16W
R2	1-216-818-11	s	METAL, CHIP 560 5% 1/16W
R3	1-216-814-11	s	METAL, CHIP 270 5% 1/16W
R4	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R5	1-216-838-11	s	METAL, CHIP 27K 5% 1/16W
R6	1-216-838-11	s	METAL, CHIP 27K 5% 1/16W
R10	1-216-831-11	s	METAL, CHIP 6.8K 5% 1/16W
R11	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R12	1-216-820-11	s	METAL, CHIP 820 5% 1/16W
R13	1-216-840-11	s	METAL, CHIP 39K 5% 1/16W
R14	1-218-852-11	s	METAL, CHIP 1.6K 5% 1/16W
R15	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R16	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
RB1	1-239-446-11	s	NETWORK RESISTOR (CHIP) 330K
RB2	1-239-446-11	s	NETWORK RESISTOR (CHIP) 330K
S1	1-572-719-21	s	SWITCH, PUSH (1 KEY)
S2	1-572-719-21	s	SWITCH, PUSH (1 KEY)
S3	1-572-719-21	s	SWITCH, PUSH (1 KEY)
S4	1-572-719-21	s	SWITCH, PUSH (1 KEY)
S5	1-572-719-21	s	SWITCH, PUSH (1 KEY)

(SE-275 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
S6	1-572-719-21	s	SWITCH, PUSH (1 KEY)

SV-210 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-465-A	o	MOUNTED CIRCUIT BOARD, SV-210
1pc	X-3678-190-1	o	CASE ASSY SV,SHIELD
5pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
1pc	3-683-016-02	o	PLATE,SHIELD,SV
1pc	3-724-753-01	o	RING
1pc	3-680-060-01	o	PLATE(SV-148),ORNAMENTAL
1pc	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
C1	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2	1-107-417-11	s	ELECT 33uF 20% 25V
C3	1-107-417-11	s	ELECT 33uF 20% 25V
C4	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C5	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C6	1-164-245-11	s	CERAMIC, CHIP 0.015uF 10% 25V
C7	1-164-245-11	s	CERAMIC, CHIP 0.015uF 10% 25V
C8	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C9	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C10	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C11	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C12	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C13	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C14	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C15	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C16	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C17	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C18	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C19	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C20	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C21	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C22	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C23	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C24	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C25	1-162-965-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C26	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C27	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C28	1-135-072-21	s	TANTALUM, CHIP 0.22uF 10% 35V
C29	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C30	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C31	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C32	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C33	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C34	1-162-958-11	s	CERAMIC, CHIP 270PF 5% 50V
C35	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C36	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C37	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C38	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C39	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C42	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C43	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C44	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C45	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C46	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C47	1-109-892-11	s	ELECT 47uF 20% 25V
C48	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C49	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C50	1-162-958-11	s	CERAMIC, CHIP 270PF 5% 50V
C51	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V

(SV-210 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C52	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C53	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C54	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C55	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C56	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C57	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C58	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C59	1-162-913-11	s	CERAMIC, CHIP 8PF 50V
C60	1-162-968-11	s	CERAMIC, CHIP 0.0047uF 10% 50V
C61	1-109-892-11	s	ELECT 47uF 20% 25V
C62	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C63	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C64	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C65	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C66	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C67	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C68	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C69	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C70	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C71	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C72	1-115-340-11	s	CERAMIC 0.22uF 10% 25V
C73	1-115-340-11	s	CERAMIC 0.22uF 10% 25V
C74	1-115-340-11	s	CERAMIC 0.22uF 10% 25V
C75	1-115-340-11	s	CERAMIC 0.22uF 10% 25V
C80	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C90	1-115-416-11	s	CERAMIC 1000PF 5% 25V
C91	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C95	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN2	1-580-789-21	o	PIN, CONNECTOR (SMD) 6P
D1	8-719-941-86	s	DIODE DAN202U
D2	8-719-941-86	s	DIODE DAN202U
D3	8-719-048-17	s	DIODE MBRS130LT3
D4	8-719-048-17	s	DIODE MBRS130LT3
D5	8-719-041-79	s	DIODE MA721WA-TX
D6	8-719-106-53	s	DIODE RD10M-B2
IC3	8-759-259-18	s	IC MB3793-42PNF
IC4	8-759-260-53	s	IC LM2903PW-E05
IC5	8-759-075-97	s	IC LM358PW
IC6	8-759-260-53	s	IC LM2903PW-E05
IC7	8-759-523-95	s	IC TC74VHC74FT(EL)
IC8	8-759-231-30	s	IC TC4S30F
IC9	8-759-075-97	s	IC LM358PW
IC10	8-759-260-53	s	IC LM2903PW-E05
IC11	8-759-075-97	s	IC LM358PW
IC12	8-759-260-53	s	IC LM2903PW-E05
IC13	8-759-075-97	s	IC LM358PW
IC14	8-759-276-89	s	IC BA6285FP-E2
IC15	8-759-051-48	s	IC SN74HCT541APW-E05
IC16	8-759-075-97	s	IC LM358PW
IC20	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC21	8-759-196-96	s	IC TC7SH08FU-TE85R
IC22	8-759-075-97	s	IC LM358PW
L1	1-409-722-11	s	INDUCTOR 220uH
L2	1-409-722-11	s	INDUCTOR 220uH
L3	1-424-642-11	s	INDUCTOR 47uH
Q1	8-729-117-32	s	TRANSISTOR 2SC4177

(SV-210 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q2	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q3	8-729-040-75	s	TRANSISTOR SI4953DY-T1
Q4	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q5	8-729-120-21	s	TRANSISTOR 2SD1614-T1XL
Q6	8-729-117-32	s	TRANSISTOR 2SC4177
Q7	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q8	8-729-117-32	s	TRANSISTOR 2SC4177
Q9	8-729-117-32	s	TRANSISTOR 2SC4177
Q10	8-729-118-56	s	TRANSISTOR 2SK852-X2
R1	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R2	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R3	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R4	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R5	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R6	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R7	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R8	1-216-848-11	s	METAL, CHIP 180K 5% 1/16W
R9	1-216-848-11	s	METAL, CHIP 180K 5% 1/16W
R10	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R11	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R12	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R13	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R14	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R15	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R16	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R17	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R18	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R19	1-216-839-11	s	METAL, CHIP 33K 5% 1/16W
R20	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R21	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R22	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R23	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R24	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R25	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R26	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R27	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R28	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R29	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R30	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R31	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R32	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R33	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R34	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R35	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R36	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R37	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R38	1-216-844-11	s	METAL, CHIP 82K 5% 1/16W
R39	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R40	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R41	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R42	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R43	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R44	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R45	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R46	1-216-854-11	s	METAL, CHIP 560K 5% 1/16W
R47	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R48	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R49	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R50	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W

(SV-210 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R51	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R52	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R53	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R54	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R55	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R56	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R57	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R58	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R59	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R60	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R61	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R62	1-218-236-91	s	METAL, CHIP 1 10% 1/4W
R63	1-218-236-91	s	METAL, CHIP 1 10% 1/4W
R64	1-218-236-91	s	METAL, CHIP 1 10% 1/4W
R65	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R66	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R67	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R68	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R69	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R70	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R71	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R72	1-216-838-11	s	METAL, CHIP 27K 5% 1/16W
R73	1-216-829-11	s	METAL, CHIP 4.7K 5% 1/16W
R74	1-216-837-11	s	METAL, CHIP 22K 5% 1/16W
R75	1-216-845-11	s	METAL, CHIP 100K 5% 1/16W
R76	1-218-739-91	s	METAL 91K 0.50% 1/16W
R77	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R78	1-216-797-11	s	METAL, CHIP 10 5% 1/16W
R79	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R80	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R81	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R82	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R83	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R84	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R85	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R86	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R87	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R88	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R89	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R90	1-216-847-11	s	METAL, CHIP 150K 5% 1/16W
R91	1-216-841-11	s	METAL, CHIP 47K 5% 1/16W
R92	1-216-796-11	s	METAL, CHIP 8.2 5% 1/16W
R93	1-216-796-11	s	METAL, CHIP 8.2 5% 1/16W
R94	1-216-796-11	s	METAL, CHIP 8.2 5% 1/16W
R95	1-216-796-11	s	METAL, CHIP 8.2 5% 1/16W
R96	1-216-796-11	s	METAL, CHIP 8.2 5% 1/16W
R97	1-216-825-11	s	METAL, CHIP 2.2K 5% 1/16W
R98	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R99	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R100	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R101	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R102	1-216-813-11	s	METAL, CHIP 220 5% 1/16W
R103	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R104	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R105	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R106	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R107	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R108	1-216-801-11	s	METAL, CHIP 22 5% 1/16W
R109	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W

(SV-210 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R110	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R111	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R112	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R113	1-216-849-11	s	METAL, CHIP 220K 5% 1/16W
R114	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R115	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R116	1-216-833-91	s	METAL, CHIP 10K 5% 1/16W
R120	1-218-738-11	s	METAL, CHIP 82K 0.50% 1/16W
R121	1-216-853-11	s	METAL, CHIP 470K 5% 1/16W
R122	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R125	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
RB1	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB2	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB3	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB4	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB5	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB6	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB7	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB8	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB9	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB10	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB11	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB12	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB13	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB14	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB15	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB16	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB17	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB18	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB19	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB20	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB21	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB22	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB23	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB24	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
X1	1-760-271-11	s	VIBRATOR, CRYSTAL
X2	1-760-271-11	s	VIBRATOR, CRYSTAL

SW-971 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-907-11	o	PRINTED CIRCUIT BOARD, SW-971
C201	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C202	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C203	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C204	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C205	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C206	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C207	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C208	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
CN10	1-565-876-11	o	CONNECTOR 4P, MALE
CN20	1-580-857-11	o	CONNECTOR, BB 15P, MALE
RV201	1-223-686-11	s	RES, VAR, CARBON 5K/5K
S201	1-570-995-11	s	SWITCH, KEYBOARD
S202	1-571-679-11	s	SWITCH, TOGGLE
S203	1-571-416-11	s	SWITCH, TOGGLE

SW-972 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-900-11	o	PRINTED CIRCUIT BOARD, SW-972
C1	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
CN18	1-565-875-11	o	CONNECTOR 3P, MALE
S1	1-572-725-11	s	SWITCH, PUSH

SW-973 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-927-11	o	PRINTED CIRCUIT BOARD, SW-973
CN1	1-564-718-11	o	CONNECTOR, 2P, MALE
CN3	1-565-875-11	o	CONNECTOR 3P, MALE
S1	1-762-002-11	s	SWITCH, TOGGLE

SW-983 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-908-11	o	PRINTED CIRCUIT BOARD, SW-983
C1	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C2	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C3	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
CN1	1-566-759-11	o	CONNECTOR 4P, MALE
SW1	1-473-315-21	s	ENCODER, ROTARY

TC-101 BOARD

Note
*g': Serial No.10056 and higher (707 SY)
30011 and higher (707 J)
10106 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10091 and higher (790WS SY)
40121 and higher (707P)
40191 and higher (709WSP)
40336 and higher (790WSP)
*h': Serial No.10001 through 10055 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10085 (709WS SY/790WS SY)
40001 through 40105 (707P)
40001 through 40175 (709WSP)
40001 through 40265 (790WSP)
*i': Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10105 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10090 (790WS SY)
40001 through 40120 (707P)
40001 through 40190 (709WSP)
40001 through 40335 (790WSP)
*j': Serial No.10056 and higher (707 SY)
30006 and higher (707 J/709WS J/ 790WS J)
10086 and higher (709WS SY/790WS SY)
40106 and higher (707P)
40176 and higher (709WSP)
40266 and higher (790WSP)
*k': Serial No.10001 through 10055 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10085 (709WS SY/790WS SY)
40001 through 40105 (707P)
40001 through 40175 (709WSP)
40001 through 40265 (790WSP)
*m': Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10105 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10090 (790WS SY)
40001 through 40120 (707P)
40001 through 40190 (709WSP)
40001 through 40335 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-470-A	o	MOUNTED CIRCUIT BOARD, TC-101
1pc	3-680-207-01	o	SPERSER RUBBER2
1pc	4-937-336-61	o	HOLDER, LED
1pc	3-680-206-02	o	TC INSULATOR
1pc	3-616-674-01	o	TC INSULATOR(2)
BT801	1-528-229-11	o	BATTERY, LITHIUM CR-2450
C1	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C2	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C3	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C4	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C5	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C6	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C7	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C8	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C9	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C10	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C11	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C12	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C13	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C14	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C15	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C16	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C17	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C18	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C19	1-128-394-11	s	ELECT 220uF 20% 10V
C20	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C21	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C22	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C23	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C24	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C25	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C26	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C101	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C102	1-111-253-11	s	TANTALUM 100uF 20% 6.3V
C103	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C104	1-111-253-11	s	TANTALUM 100uF 20% 6.3V
C105	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C106	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C107	1-111-253-11	s	TANTALUM 100uF 20% 6.3V
C109	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C110	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C111	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C112	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C113	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C114	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C115	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C116	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C117	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C118	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C119	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C120	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C121	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C122	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C123	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C124	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C125	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C126	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C127	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C128	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C129	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C130	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C131	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C132	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C133	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C134	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C135	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C136	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C137	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C138	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C139	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C140	1-104-752-11	s	TANTALUM, CHIP 33uF 20% 6.3V
C141	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C142	1-104-553-11	s	FILM, CHIP 0.015uF 5% 16V
C143	1-104-553-11	s	FILM, CHIP 0.015uF 5% 16V
C144	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C145	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C146	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C147	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C148	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C149	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C150	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C151	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C152	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C153	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C154	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C155	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C156	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C157	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C158	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C159	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C160	1-162-969-11	s	CERAMIC, CHIP 0.0068uF 10% 25V
C161	1-162-969-11	s	CERAMIC, CHIP 0.0068uF 10% 25V
C162	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C163	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C164	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C165	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C166	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C167	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C168	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C169	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C170	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C171	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C172	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C173	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C174	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C175	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C176	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C177	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C178	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C179	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C180	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C181	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C182	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C183	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C184	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C185	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C186	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C210	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C211	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C401	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C402	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C403	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C404	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C405	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C406	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C407	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C408	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C409	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C410	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C411	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C412	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C413	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C414	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C415	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C416	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C417	1-110-569-11	s	TANTALUM, CHIP 47uF 20% 6.3V
C418	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C419	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C420	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C421	1-104-553-11	s	FILM, CHIP 0.015uF 5% 16V
C422	1-104-553-11	s	FILM, CHIP 0.015uF 5% 16V
C423	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C424	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C425	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C426	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C427	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C428	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C429	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C430	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C431	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C432	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C433	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C434	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C435	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C436	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C437	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C438	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C439	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C440	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C441	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C442	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C443	1-162-969-11	s	CERAMIC, CHIP 0.0068uF 10% 25V
C444	1-162-969-11	s	CERAMIC, CHIP 0.0068uF 10% 25V
C445	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C446	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C447	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C448	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C449	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C450	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C451	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C452	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C453	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C454	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C455	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C456	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C601	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C602	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C603	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C604	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C605	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C606	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C607	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C608	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C609	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C610	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C611	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C612	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C613	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C614	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C615	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C616	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C617	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C618	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C619	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C620	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C621	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C622	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C623	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C624	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C625	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C626	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C627	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V

Ref. No. or Q'ty	Part No.	SP	Description
C628	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C629	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C630	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C631	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C632	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C633	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C634	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C635	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C636	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C637	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C638	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C639	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C640	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C641	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C642	1-104-543-11	s	FILM 0.0022uF 5% 50V
C643	1-104-539-11	s	FILM 0.001uF 5% 50V
C644	1-104-543-11	s	FILM 0.0022uF 5% 50V
C645	1-104-539-11	s	FILM 0.001uF 5% 50V
C646	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C647	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C648	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C649	1-162-966-11	s	CERAMIC, CHIP 0.0022uF 10% 50V
C650	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C651	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C652	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C653	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C654	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C655	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C656	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C657	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C658	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C659	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C660	1-162-923-11	s	CERAMIC, CHIP 47PF 5% 50V
C661	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C662	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C663	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C664	1-164-677-11	s	CERAMIC, CHIP 0.033uF 10% 16V
C665	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C666	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C667	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C668	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C669	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C670	1-165-176-11	s	CERAMIC, CHIP 0.047uF 10% 16V
C671	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C672	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C673	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C674	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C675	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C677	1-128-391-11	s	ELECT 330uF 20% 6.3V
C678	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C679	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C680	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C681	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C682	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C683	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C684	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C800	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C801	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C802	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C803	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V

Ref. No. or Q'ty	Part No.	SP	Description
C804	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C805	1-126-927-11	s	ELECT 2200uF 20% 10V
C806	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C807	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C808	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C809	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C810	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C811	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C812	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C813	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C814	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C815	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C816	1-111-253-11	s	TANTALUM 100uF 20% 6.3V
C817	1-115-416-11	s	CERAMIC 1000PF 5% 25V
C818	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C819	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C820	1-113-642-11	s	TANTALUM, CHIP 47uF 20% 10V
C821	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C822	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C823	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C824	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C825	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C826	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C827	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C828	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C829	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C830	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C831	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C832	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C833	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C834	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C835	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C836	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C837	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C838	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C839	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C840	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C843	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C844	1-162-916-11	s	CERAMIC, CHIP 12PF 5% 50V
C845	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C846	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C847	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C848	1-135-079-21	s	TANTALUM, CHIP 3.3uF 10% 35V
C849	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C850	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C851	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C852	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C853	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C854	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C855	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C856	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C857	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C858	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C861	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C862	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C863	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C864	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C865	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C866	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C867	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C868	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C869	1-164-227-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C870*g'	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C871*g'	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
CN5	1-573-768-21	o	PIN, CONNECTOR (1.5MM) (SMD)5P
CN6	1-764-177-11	o	PIN, CONNECTOR (SMD)(1.5MM) 7P
CN7	1-580-055-21	o	PIN, CONNECTOR (SMD) 2P
CN8	1-691-550-11	s	PIN, CONNECTOR (1.5MM)(SMD) 3P
CN10	1-691-551-11	o	PIN, CONNECTOR (SMD) 8P
CN121	1-569-531-11	s	HOUSING, 20P
CN122	1-569-532-11	s	HOUSING, 30P
CN123	1-569-532-11	s	HOUSING, 30P
CN150	1-695-223-21	s	PIN, CONNECTOR (SMD) 10P
CN503	1-580-057-11	o	PIN, CONNECTOR (SMD) 4P
D1	8-719-029-63	s	DIODE RD4.3UH-T1
D2	8-719-029-63	s	DIODE RD4.3UH-T1
D3	8-719-941-23	s	DIODE DA204U
D4	8-719-974-51	s	DIODE SB20-03P
D5	8-719-157-36	s	DIODE RD6.8M-B
D6	8-719-941-86	s	DIODE DAN202U
D7	8-719-941-86	s	DIODE DAN202U
D9	8-719-941-23	s	DIODE DA204U
D10	8-719-941-23	s	DIODE DA204U
D11	8-719-941-23	s	DIODE DA204U
D101	8-719-024-81	s	DIODE 1SS300-TE85L
D102	8-719-024-81	s	DIODE 1SS300-TE85L
D103	8-719-820-41	s	DIODE 1SS302
D104	8-719-820-41	s	DIODE 1SS302
D105	8-719-820-41	s	DIODE 1SS302
D106	8-719-820-41	s	DIODE 1SS302
D107	8-719-800-76	s	DIODE 1SS226
D108	8-719-800-76	s	DIODE 1SS226
D109	8-719-941-09	s	DIODE DAP202U
D110	8-719-941-09	s	DIODE DAP202U
D401	8-719-820-41	s	DIODE 1SS302
D402	8-719-820-41	s	DIODE 1SS302
D403	8-719-024-81	s	DIODE 1SS300-TE85L
D404	8-719-024-81	s	DIODE 1SS300-TE85L
D405	8-719-941-23	s	DIODE DA204U
D406	8-719-941-23	s	DIODE DA204U
D407	8-719-941-09	s	DIODE DAP202U
D408	8-719-941-09	s	DIODE DAP202U
D601	8-719-941-23	s	DIODE DA204U
D602	8-719-941-23	s	DIODE DA204U
D801	8-719-938-72	s	DIODE SB01-05CP
D802	8-719-941-86	s	DIODE DAN202U
D803	8-719-941-86	s	DIODE DAN202U
D804	8-719-941-86	s	DIODE DAN202U
D805	8-719-941-86	s	DIODE DAN202U
D806	8-719-941-23	s	DIODE DA204U
D807	8-719-941-23	s	DIODE DA204U
D808*h'	8-719-941-86	s	DIODE DAN202U
D809	8-719-105-28	s	DIODE RD2.4M-B
D810	8-719-105-28	s	DIODE RD2.4M-B
D811	8-719-941-86	s	DIODE DAN202U
D812*g'	8-719-041-79	s	DIODE MA721WA-TX
D812*i'	8-719-941-86	s	DIODE DAN202U
D813	8-719-941-86	s	DIODE DAN202U
D814	8-719-820-41	s	DIODE 1SS302

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Ref. No. or Q'ty	Part No.	SP	Description
D815	8-719-938-72	s	DIODE SB01-05CP
D816	8-719-938-72	s	DIODE SB01-05CP
D817	8-719-941-86	s	DIODE DAN202U
D818	8-719-941-86	s	DIODE DAN202U
D819	8-719-820-41	s	DIODE 1SS302
D820	8-719-938-72	s	DIODE SB01-05CP
D821	8-719-938-72	s	DIODE SB01-05CP
D822	8-719-941-86	s	DIODE DAN202U
D823	8-719-032-78	s	DIODE GL3UR8
D824	8-719-989-22	s	DIODE CL-150R-CD-T
D825	8-719-989-22	s	DIODE CL-150R-CD-T
D830	8-719-941-23	s	DIODE DA204U
D831	8-719-941-23	s	DIODE DA204U
D832*g'	8-719-041-79	s	DIODE MA721WA-TX
IC1	8-759-710-88	s	IC NJM431U
IC2	8-759-710-88	s	IC NJM431U
IC3	8-759-710-78	s	IC NJM082BM
IC4	8-759-175-04	s	IC PCF8574T-T
IC5	8-759-189-47	s	IC MC34151DR2
IC10	8-759-196-96	s	IC TC7SH08FU-TE85R
IC100	8-759-700-84	s	IC NJM2041M-D
IC101	8-759-700-84	s	IC NJM2041M-D
IC102	8-759-700-84	s	IC NJM2041M-D
IC103	8-759-700-84	s	IC NJM2041M-D
IC104	8-759-700-84	s	IC NJM2041M-D
IC105	8-759-700-84	s	IC NJM2041M-D
IC106	8-759-700-84	s	IC NJM2041M-D
IC107	8-759-603-27	s	IC M5201FP
IC108	8-759-603-27	s	IC M5201FP
IC109	8-759-700-84	s	IC NJM2041M-D
IC110	8-759-700-84	s	IC NJM2041M-D
IC111	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC112	8-759-908-16	s	IC TL072CPS
IC113	8-759-700-84	s	IC NJM2041M-D
IC114	8-759-700-84	s	IC NJM2041M-D
IC115	8-759-908-16	s	IC TL072CPS
IC116	8-759-908-16	s	IC TL072CPS
IC117	8-759-431-95	s	IC S-81230SGUP-DQB-T1
IC118	8-759-700-84	s	IC NJM2041M-D
IC119	8-759-700-84	s	IC NJM2041M-D
IC120	8-759-462-08	s	IC AK5352-VF-E2
IC122	8-759-523-95	s	IC TC74VHC74FT(EL)
IC123	8-759-196-96	s	IC TC7SH08FU-TE85R
IC401	8-759-927-46	s	IC SN74HC00ANS
IC402	8-759-700-84	s	IC NJM2041M-D
IC403	8-759-700-84	s	IC NJM2041M-D
IC404	8-759-700-84	s	IC NJM2041M-D
IC405	8-759-700-84	s	IC NJM2041M-D
IC406	8-759-359-66	s	IC TL082CPW-E05
IC407	8-759-359-66	s	IC TL082CPW-E05
IC408	8-759-700-84	s	IC NJM2041M-D
IC409	8-759-700-84	s	IC NJM2041M-D
IC410	8-759-462-08	s	IC AK5352-VF-E2
IC411	8-759-196-96	s	IC TC7SH08FU-TE85R
IC412	8-759-196-97	s	IC TC7SH32FU-TE85R
IC413	8-729-025-54	s	TRANSISTOR SI9958DY
IC601	8-759-051-48	s	IC SN74HCT541APW-E05
IC602	8-759-271-86	s	IC TC7SH04FU
IC603	8-759-531-50	s	IC PCM1716E-BT2

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Ref. No. or Q'ty	Part No.	SP	Description
IC604	8-759-531-50	s	IC PCM1716E-BT2
IC605	8-759-271-86	s	IC TC7SH04FU
IC606	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC607	8-759-700-84	s	IC NJM2041M-D
IC608	8-759-700-84	s	IC NJM2041M-D
IC609	8-759-700-84	s	IC NJM2041M-D
IC610	8-759-603-27	s	IC M5201FP
IC611	8-759-603-27	s	IC M5201FP
IC612	8-759-523-01	s	IC TC74HC4052AFT(EL)
IC613	8-759-603-27	s	IC M5201FP
IC614	8-759-603-27	s	IC M5201FP
IC615	8-759-523-01	s	IC TC74HC4052AFT(EL)
IC616	8-759-700-84	s	IC NJM2041M-D
IC617	8-759-700-84	s	IC NJM2041M-D
IC618	8-759-359-66	s	IC TL082CPW-E05
IC619	8-759-359-66	s	IC TL082CPW-E05
IC620	8-759-431-97	s	IC NJM386M(TE2)
IC621	8-759-700-84	s	IC NJM2041M-D
IC622	8-759-700-84	s	IC NJM2041M-D
IC630	8-759-525-10	s	IC TC7SET08F(TE85L)
IC800	8-759-082-61	s	IC TC4W53FU
IC802	8-759-461-86	s	IC RH5VL40AA-T1
IC803	8-759-431-94	s	IC S-81240SGUP-DQJ-T1
IC804	8-759-431-95	s	IC S-81230SGUP-DQB-T1
IC805	8-759-173-16	s	IC TL062CPW
IC806*j'	8-759-493-53	s	IC S-81233SGUP-DQF-T1
IC806*k'	8-759-431-95	s	IC S-81230SGUP-DQB-T1
IC807	8-759-710-28	s	IC NJM4565M-A
IC808	8-759-337-40	s	IC NJM2904V(TE2)
IC809	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC810	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC811	8-759-548-97	s	IC SN74LV04APWR
IC812	8-759-234-77	s	IC TC4S66F
IC813	8-759-557-12	s	IC IC S-875045CUP-ACA-T2
IC814	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC815	8-759-523-95	s	IC TC74VHC74FT(EL)
IC816	8-759-196-96	s	IC TC7SH08FU-TE85R
IC817	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC818	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC819	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC820	8-759-196-96	s	IC TC7SH08FU-TE85R
IC821	8-759-349-55	s	IC RH5VL25AA-T1
IC822	8-759-175-77	s	IC CXD8384Q
IC823	8-759-431-95	s	IC S-81230SGUP-DQB-T1
IC824	8-759-337-40	s	IC NJM2904V(TE2)
IC825	8-759-337-40	s	IC NJM2904V(TE2)
IC826	8-759-343-88	s	IC DS1302Z
IC827	8-759-071-01	s	IC UPD4991AGS
IC828	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC829	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC830	8-759-431-98	s	IC BR9020
IC831	8-752-381-56	s	IC CXD1095AR
IC832	8-752-381-56	s	IC CXD1095AR
IC833	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC834	8-759-081-96	s	IC UPD6456GS-620
IC835	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC836	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC837	8-759-196-96	s	IC TC7SH08FU-TE85R
IC838	8-759-271-86	s	IC TC7SH04FU
IC839	8-759-485-79	s	IC TC7SET08FU(TE85R)

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Ref. No. or Q'ty	Part No.	SP	Description
IC840	8-759-485-79	s	IC TC7SET08FU(TE85R)
IC900	8-759-271-86	s	IC TC7SH04FU
IC901*g'	8-759-395-07	s	IC RH5VL20AA-T1
IS801	1-251-819-11	o	SOCKET, IC (QFP) 80P
IS802*m'	1-526-652-21	o	SOCKET, IC 8P
IS830*g'	1-526-652-21	o	SOCKET, IC 8P
L1	1-412-170-11	s	INDUCTOR 0.47uH
L2	1-412-170-11	s	INDUCTOR 0.47uH
L3	1-412-170-11	s	INDUCTOR 0.47uH
L4	1-412-170-11	s	INDUCTOR 0.47uH
L101	1-412-170-11	s	INDUCTOR 0.47uH
L601	1-408-798-00	s	INDUCTOR, CHIP 1mH
L801	1-410-389-31	s	INDUCTOR, CHIP 47uH
LCD801*m'	1-810-586-11	s	LCD MODULE
ND801*g'	1-810-586-11	s	LCD MODULE
PH101	1-808-252-11	s	PHOTOCOUPLER M-30
Q1	8-729-808-42	s	TRANSISTOR 2SD1624-T
Q2	8-729-020-94	s	TRANSISTOR 2SA1314C-TE12L
Q3	8-729-808-42	s	TRANSISTOR 2SD1624-T
Q4	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q5	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q101*g'	8-729-402-84	s	TRANSISTOR XN4601
Q102*g'	8-729-402-84	s	TRANSISTOR XN4601
Q103	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q104	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q105	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q106	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q107	8-729-036-56	s	TRANSISTOR 2SK208-GR-TE85L
Q108	8-729-203-30	s	TRANSISTOR 2SJ106Y
Q109	8-729-036-56	s	TRANSISTOR 2SK208-GR-TE85L
Q110	8-729-203-30	s	TRANSISTOR 2SJ106Y
Q111	8-729-036-56	s	TRANSISTOR 2SK208-GR-TE85L
Q112	8-729-203-30	s	TRANSISTOR 2SJ106Y
Q113	8-729-036-56	s	TRANSISTOR 2SK208-GR-TE85L
Q114	8-729-203-30	s	TRANSISTOR 2SJ106Y
Q115	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q116	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q117	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q118*g'	8-729-402-84	s	TRANSISTOR XN4601
Q119*g'	8-729-402-84	s	TRANSISTOR XN4601
Q120*g'	8-729-402-84	s	TRANSISTOR XN4601
Q121*g'	8-729-402-84	s	TRANSISTOR XN4601
Q122	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q123	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q124	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q125	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q126	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q127	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q128	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q129	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q130	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q131	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q132	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q133	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q134	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q135	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6

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Ref. No. or Q'ty	Part No.	SP	Description
Q136	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q137	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q140*g'	8-729-402-84	s	TRANSISTOR XN4601
Q141*g'	8-729-402-84	s	TRANSISTOR XN4601
Q401	8-729-036-56	s	TRANSISTOR 2SK208-GR-TE85L
Q402	8-729-203-30	s	TRANSISTOR 2SJ106Y
Q403	8-729-036-56	s	TRANSISTOR 2SK208-GR-TE85L
Q404	8-729-203-30	s	TRANSISTOR 2SJ106Y
Q405	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q406	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q407	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q408	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q409	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q410	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q411	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q412	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q413	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q414	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q415	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q416	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q417*g'	8-729-402-84	s	TRANSISTOR XN4601
Q418*g'	8-729-402-84	s	TRANSISTOR XN4601
Q419*g'	8-729-402-84	s	TRANSISTOR XN4601
Q420*g'	8-729-402-84	s	TRANSISTOR XN4601
Q421	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q422	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q423	8-729-012-35	s	TRANSISTOR 2SK711-BL
Q424	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q425	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q426	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q601	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q602	8-729-014-86	s	TRANSISTOR 2SC4207-YGRTE85L
Q603	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q604	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q605	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q606	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q607	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q608	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q609	8-729-230-63	s	TRANSISTOR 2SC4116YG
Q610*g'	8-729-402-84	s	TRANSISTOR XN4601
Q611*g'	8-729-402-84	s	TRANSISTOR XN4601
Q612*g'	8-729-402-84	s	TRANSISTOR XN4601
Q613*g'	8-729-402-84	s	TRANSISTOR XN4601
Q614*g'	8-729-402-84	s	TRANSISTOR XN4601
Q615*g'	8-729-402-84	s	TRANSISTOR XN4601
Q800	8-729-809-73	s	TRANSISTOR 2SK536-TB
Q801	8-729-809-73	s	TRANSISTOR 2SK536-TB
Q802	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q803	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q804*g'	8-729-041-24	s	TRANSISTOR NDS355AN
R1	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R2	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R3	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R4	1-218-688-11	s	METAL, CHIP 680 0.50% 1/16W
R5	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R6	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R7	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R8	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R9	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R10	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R11	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R12	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R13	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R14	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R15	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R16	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R17	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R18	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R19	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R100	1-216-296-00	s	RESISTOR, CHIP 0 1/8W (3216)
R101	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R102	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R103	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R104	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R105	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R106	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R107	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R108	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R109	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R110	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R111	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R112	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R113	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R114	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R115	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R116	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R117	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R118	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R119	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R120	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R121	1-220-751-11	s	METAL 2.2K 0.10% 1/10W
R122	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R123	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R124	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R125	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R126*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R127	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R128	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R129*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R130*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R131	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R132	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R133	1-218-870-11	s	METAL, CHIP 9.1K 0.50% 1/16W
R134	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R135	1-218-870-11	s	METAL, CHIP 9.1K 0.50% 1/16W
R136	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R137	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R138	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R139	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R140	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R141	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R143	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R145	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R146	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R147*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R148	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R149	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R150	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R151	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R152	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R153	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R154	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R155	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R156	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R157	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R158	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R159	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R160	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R161	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R162	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R163	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R164	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R165	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R166	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R167	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R168	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R169	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R170	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R171	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R172	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R173	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R176	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R177	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R178	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R179	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R180	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R181	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R182	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R183	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R184	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R185	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R186	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R187	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R188	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R189	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R190	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R191	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R192	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R193	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R194	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R195	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R196	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R197	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R198	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R199	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R200	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R201	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R202	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R203	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R204	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R205	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R206	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R207	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R208*g'	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R208*i'	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R209	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R210	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R211	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R212	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R213	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R214	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R215	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R216	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R217	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R218	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R219	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R220	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R221	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R222	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R223	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R224	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R225	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R226	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R227	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R228	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R229	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R230	1-218-750-11	s	METAL, CHIP 270K 0.50% 1/16W
R231*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R232*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R233	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R234	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R235	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R236	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R237	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R238	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R239	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R240	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R241	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R242	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R243	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R244	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R245*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R246*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R247*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R248*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R249*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R249*i'	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R250*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R250*i'	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R251	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R252*m'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R252*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R253*m'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R253*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R254	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R255	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R256	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R257	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R258	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R259*m'	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R259*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R260*m'	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R260*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R261*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R261*i'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R262	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R263*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R263*i'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R264	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R265*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R265*i'	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R267*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R267*i'	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R269*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R270*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R271	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R272	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R273	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R274	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R275	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R276	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R277	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R278	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R279	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R280	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R281	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R282	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R283	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R284	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R285	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R286	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R287	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R288	1-218-750-11	s	METAL, CHIP 270K 0.50% 1/16W
R289	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R290	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R291	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R292	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R293	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R294	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R295	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R296	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R297	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R298	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R299	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R300	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R301	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R302	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R303	1-218-742-11	s	METAL, CHIP 120K 0.50% 1/16W
R304	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R305	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R306	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R307	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R308	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R309	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R310	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R312	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R314	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R315	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R316	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R317	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R318	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R319	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R320	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R321	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R322	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R323	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R324	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R325	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R326	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R327	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R328	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R329	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R330	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R331	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R332	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R333	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R334	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R335	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R336	1-218-729-11	s	METAL, CHIP 36K 0.50% 1/16W
R337	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R338	1-218-729-11	s	METAL, CHIP 36K 0.50% 1/16W
R339	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R340	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R341	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R342	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R343	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R344	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R345	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R346	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R347	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R348	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R349	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R352	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R353	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R354	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R355	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R357	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R358	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R359	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R360	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R401	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R402	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R403	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R404	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R405	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R406	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R407	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R408	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R409	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R410	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R411	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R412	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R413	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R414	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R415	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R416	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R417	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R418	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R419	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R420	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R421	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R422	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R423	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R424	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R425	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R426	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R427	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R428	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R429	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R430	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R431	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R432	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R433	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R434	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R435	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R436	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R437	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R438	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R439	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R440	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R441	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R442	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R443	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R444	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R445	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R446	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R447	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R448	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R449	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R450	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R451	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R452	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R453	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R454	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R455	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R456	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R457	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R458	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R459	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R460	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R461*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R462*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R463	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R464	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R465	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R466	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R467	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R468	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R469	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R470	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R471	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R472	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R473	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R474	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R475*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R476*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R477*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R478*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R479*m'	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R480*m'	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R481*m'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R482*m'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R483	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R484	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R485*m'	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R486*m'	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R487*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R487*i'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R488*m'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R489*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R489*i'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R490*m'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R491*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R491*i'	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R493*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R493*i'	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R495*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R496*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R497	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R498	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R499	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R500	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R501	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R502	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R503	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R504	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R505	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R506	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R507	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R508	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R509	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R510	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R511	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R512	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R513	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R514	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R515	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R516	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R517	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R518	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R519	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R520	1-218-729-11	s	METAL, CHIP 36K 0.50% 1/16W
R521	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R522	1-218-729-11	s	METAL, CHIP 36K 0.50% 1/16W
R523	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R524	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R525	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R526	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R527	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R528	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R529	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R530	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R531	1-218-666-11	s	METAL, CHIP 82 0.50% 1/16W
R532	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R534	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R535	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R536	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R537	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R538	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R539	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R540	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R541	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R542	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R601	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R602	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R603	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R604	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R605	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R606	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R608	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R609	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R610	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R611	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R612	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R613	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R614	1-218-648-11	s	METAL, CHIP 15 0.50% 1/16W
R615	1-218-648-11	s	METAL, CHIP 15 0.50% 1/16W
R618	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R619	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R620	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R621	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R622	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R623	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R625	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R636	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R637	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R638	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R639	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R644	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R645	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R646	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R647	1-218-711-11	s	METAL, CHIP 6.2K 0.50% 1/16W
R648	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R649	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R650	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R651	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R652	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R653	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R654	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R655	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R657	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R658*m'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R659*m'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R660	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R661	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R662	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R663	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R664	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R665	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R666	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R667	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R668	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R669	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R670	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R671	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R672	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R673	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R675	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R676	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R677	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R678	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R679	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R680*m'	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R681	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R682	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R683	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R685	1-218-705-11	s	METAL, CHIP 3.6K 0.50% 1/16W
R687	1-218-705-11	s	METAL, CHIP 3.6K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R689	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R690	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R691	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R692	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R693	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R694	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R695	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R696	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R697	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R698	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R699	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R700	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R701	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R702	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R703	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R704	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R705	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R707	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R709	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R710	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R711	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R712	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R713	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R714	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R715	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R716	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R717	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R718	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R719	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R720	1-218-677-11	s	METAL, CHIP 240 0.50% 1/16W
R721	1-218-677-11	s	METAL, CHIP 240 0.50% 1/16W
R722	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R723	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R724	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R725	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R726	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R727	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R728	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R729	1-218-746-11	s	METAL, CHIP 180K 0.50% 1/16W
R730	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R731	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R732	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R733	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R734	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R735	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R736	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R737	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R738	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R739	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R740	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R741	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R742	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R743	1-218-723-91	s	METAL, CHIP 20K 0.50% 1/16W
R744	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R745	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R746	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R747	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R748	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R749	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R750	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R751	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R753	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R754	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R755	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R756*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R757*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R758	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R759	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R760	1-218-687-11	s	METAL, CHIP 620 0.50% 1/16W
R761*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R761*i'	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R762	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R763	1-218-687-11	s	METAL, CHIP 620 0.50% 1/16W
R764*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R765*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R765*i'	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R766*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R769	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R770	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R771	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R772*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R772*i'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R773	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R774	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R775*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R775*i'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R776	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R777	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R778*m'	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R779*m'	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R780*m'	1-218-698-11	s	METAL, CHIP 1.8K 0.50% 1/16W
R781*g'	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R781*i'	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R782	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R783*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R784	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R785*g'	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R786	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R787	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R788	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R790*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R790*i'	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R791*m'	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R792*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R793*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R794*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R795*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R796*g'	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R797*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R798*g'	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R799*g'	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R800	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R801	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R802	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R803	1-218-665-11	s	METAL, CHIP 75 0.50% 1/16W
R804	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R805	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R806	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R807	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R808	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R809	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R810	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R811	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R812	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R813	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R814	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R815	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R816	1-218-718-11	s	METAL, CHIP 12K 0.50% 1/16W
R817	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R818	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R819	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R820	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R821	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R822	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R823	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R824	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R825	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R826	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R827	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R828	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R829	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R830	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R831	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R832	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R833	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R834	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R835	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R836	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R837	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R838	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R839	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R840	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R841	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R842	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R843	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R844	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R845	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R846	1-218-686-11	s	METAL, CHIP 560 0.50% 1/16W
R847	1-216-861-11	s	METAL, CHIP 2.2M 5% 1/16W
R848	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R849	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R850	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R851	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R852	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R853	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R854	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R855	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R856	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R857	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R858	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R859	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R860	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R861	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R862	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R863	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R864	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R865	1-218-713-11	s	METAL, CHIP 7.5K 0.50% 1/16W
R866	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R867	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R868	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R869	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R870	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R871	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R872	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R873	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R874	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R875	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R876	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R877	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R878	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R879	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R881	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R882	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R883	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R884	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R885	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R886	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R887	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R888	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R889	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R890	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R891	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R892	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R893	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R894	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R895	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R896	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R897	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R898	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R899	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R900	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R901	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R902	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R903	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R904	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R905	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R907	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R908	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R909	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R910	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R911	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R912	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R913	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R914	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R915	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R916	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R917	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R918	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R919	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R920	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R921	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R922	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R923	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R924	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R925	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R926	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R927	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R928	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R929	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R930	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R931	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R932	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R933	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R934	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R935	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R936	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R937	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R938	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R939	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R940	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R941	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R942	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R943	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R944	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R945	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R946	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R947	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R948	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R949	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R950	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R951	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R952	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R953	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R954	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R955	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R956	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R960	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R961	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R962*g'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R965*g'	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R966*g'	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R967*g'	1-218-746-11	s	METAL, CHIP 180K 0.50% 1/16W
R968*g'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R969*g'	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R972*j'	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB101	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB601	1-239-436-11	s	RESISTOR BLOCK, CHIP 33KX4
RB802	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB803	1-239-436-11	s	RESISTOR BLOCK, CHIP 33KX4
RB805	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB806	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB808	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB809	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB811	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB812	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB813	1-239-426-11	s	NETWORK RESISTOR (CHIP) 2.2K
RB814	1-239-430-11	s	NETWORK RESISTOR (CHIP) 4.7K
RB815	1-239-430-11	s	NETWORK RESISTOR (CHIP) 4.7K
RB816	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB817	1-239-426-11	s	NETWORK RESISTOR (CHIP) 2.2K
RB818	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB819	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB820	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB821	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB822	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB823	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RB824	1-239-426-11	s	NETWORK RESISTOR (CHIP) 2.2K
RB825	1-239-444-11	s	RESUSTIR BLOCK, CHIP 220K
RV101	1-223-684-11	s	RES, VAR, CARBON 5K
RV102	1-223-684-11	s	RES, VAR, CARBON 5K

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Ref. No. or Q'ty	Part No.	SP	Description
RV103	1-237-039-11	s	RES, ADJ METAL 100K
RV104	1-237-039-11	s	RES, ADJ METAL 100K
RV601	1-237-033-11	s	RES, ADJ METAL 1K
RV602	1-237-033-11	s	RES, ADJ METAL 1K
S101	1-571-277-31	s	SWITCH, SLIDE
S102	1-570-860-11	s	SWITCH, SLIDE
S103	1-570-860-11	s	SWITCH, SLIDE
S104	1-570-842-11	s	SWITCH, SLIDE
S105	1-570-842-11	s	SWITCH, SLIDE
S106	1-571-277-31	s	SWITCH, SLIDE
S107	1-571-277-31	s	SWITCH, SLIDE
S108	1-570-852-11	s	SWITCH, SLIDE
S601	1-571-275-31	s	SWITCH, SLIDE
S602	1-571-275-31	s	SWITCH, SLIDE
S603	1-571-275-31	s	SWITCH, SLIDE
S801	1-570-860-11	s	SWITCH, SLIDE
S802	1-692-881-41	s	SWITCH, SLIDE
S803	1-570-852-11	s	SWITCH, SLIDE
S804	1-570-852-11	s	SWITCH, SLIDE
S805	1-570-852-11	s	SWITCH, SLIDE
S806	1-570-852-11	s	SWITCH, SLIDE
S807	1-572-725-11	s	SWITCH, PUSH
S808	1-572-725-11	s	SWITCH, PUSH
S809	1-570-860-11	s	SWITCH, SLIDE
S810	1-572-725-11	s	SWITCH, PUSH
S811	1-572-725-11	s	SWITCH, PUSH
S812	1-572-725-11	s	SWITCH, PUSH
X801	1-760-272-11	s	VIBRATOR, CRYSTAL
X802	1-767-347-11	s	VIBRATOR, CRYSTAL
X804	1-760-622-21	s	VIBRATOR, CRYSTAL 32.76800kHz

TG-206/206P BOARD

Note
*5: for DVW-707
*6: for DVW-707P

*n': Serial No.40106 and higher (707P)
*p': Serial No.10056 and higher (707 SY)
30006 and higher (707 J)
40001 through 40105 (707P)
*q': Serial No.40166 and higher (707P)
*r': Serial No.10001 through 10020 (707 SY)
10056 and higher (707 SY)
30001 and higher (707 J)
40001 through 40165 (707P)
*s': Serial No.10021 through 10055 (707SY)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-731-A	o	MOUNTED CIRCUIT BOARD, TG-206 [for *5]
1pc	A-8321-732-A	o	MOUNTED CIRCUIT BAORD, TG-206P [for *6]
C1	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3*n'	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C3*p'	1-162-915-11	s	CAPACITOR, CERAMIC 10PF/50V CH
C4	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C5	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C9	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C10	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C11	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C12	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C15	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C20	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C21	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C32	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C35	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C36	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C38	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C39	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C43	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C44	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C45	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
CN1	1-691-943-21	o	CONNECTOR, BOARD TO BOARD 30P
CN2	1-568-367-11	s	CONNECTOR, BOARD TO BOARD 18P
CN3	1-568-367-11	s	CONNECTOR, BOARD TO BOARD 18P
D1	8-719-029-57	s	DIODE RD2.4UH-T1
D3	8-719-948-48	s	DIODE HSM88AS-TL
D4	8-719-948-48	s	DIODE HSM88AS-TL
IC1	8-752-353-25	s	IC CXD1265R-T6
IC2	8-759-523-94	s	IC TC74VHC32FT(EL)
IC3	8-759-523-94	s	IC TC74VHC32FT(EL)

(TG-206/206P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC4	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC5	8-759-523-95	s	IC TC74VHC74FT(EL)
IC6	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC7	8-759-523-78	s	IC TC74VHC00FT(EL)
IC8	8-759-337-40	s	IC NJM2904V(TE2)
IC9	8-759-058-55	s	IC TC7S02FU-TE85L
IC10	8-759-196-93	s	IC TC7SH00FU-TE85R
IC11	8-759-196-96	s	IC TC7SH08FU-TE85R
IC12	8-759-196-96	s	IC TC7SH08FU-TE85R
IC13	8-759-050-92	s	IC SN74HC164APW-E05
IC14	8-759-392-01	s	IC TC7SH86FU-TE85R
IC16	8-759-196-97	s	IC TC7SH32FU-TE85R
IC17	8-759-196-93	s	IC TC7SH00FU-TE85R
IC18	8-759-049-60	s	IC SN74HC08APW-E05
Q1	8-729-141-48	s	TRANSISTOR 2SB624-BV345
R1	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W [for *6]
R1	1-218-664-11	s	RESISTOR, CHIP 68 1/16W (1608) [for *5]
R2	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R3	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R4	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R5*q'	1-218-671-11	s	RESISTOR, CHIP 130 1/16W (1608)
R5*r'	1-218-667-11	s	METAL, CHIP 91 0.50% 1/16W
R5*s'	1-216-864-11	s	RESISTOR, CHIP 1.1K 1/10W (2012)
R6	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R7	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R8	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R9	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R10	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R12	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R14	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R15	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R16	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R17	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R18	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R19	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R21	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R22	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R23	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R24	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R26	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R27	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R28	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R29	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R30	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R31	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R32	1-218-741-11	s	METAL, CHIP 110K 0.5% 1/16W
R33	1-216-791-11	s	METAL, CHIP 3.3 5% 1/16W
R34	1-216-791-11	s	METAL, CHIP 3.3 5% 1/16W
R35	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R36	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R37	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R38	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R39	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R40	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R41	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *5]
R42	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *6]
R43	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R45	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

(TG-206/206P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R47	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R48	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R49	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R50	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R51	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R52	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R53	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R55	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R56	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R57	1-218-674-11	s	METAL, CHIP 180 0.50% 1/16W
R58	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R59	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R62	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R63	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R65	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R66	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R67	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R68	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R69	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R72	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R73	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R74	1-218-721-11	s	METAL, CHIP 16K 0.50% 1/16W
R75	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R76	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R77	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *5]
R78	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *6]
R79	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *6]
R80	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R81	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R82	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
RV1	1-241-828-21	s	RES, ADJ, METAL 500
RV2	1-241-828-21	s	RES, ADJ, METAL 500
X1	1-579-713-11	s	OSCILLATOR, CRYSTAL 28.6360MHz [for *5]
X1	1-767-206-11	s	OSCILLATOR, CRYSTAL [for *6]

TG-207/207P BOARD

Note
*7: for DVW-790WS/709WS
*8: for DVW-790WSP/709WSP

Note
*t': Serial No.30006 and higher (709WS J/790WS J)
10086 and higher (709WS SY/790WS SY)
40176 and higher (709WSP)
40266 and higher (790WSP)
*u': Serial No.30001 through 30005 (709WS J/790WS J)
10001 through 10085 (709WS SY/790WS SY)
40001 through 40175 (709WSP)
40001 through 40265 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-492-A	o	MOUTED CIRCUIT BOARD, TG-207 [for *7]
1pc	A-8321-509-A	o	MOUNTED CIRCUIT BOARD, TG-207P [for *8]
C1	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-107-689-21	s	TANTALUM, CHIP 1uF 20% 35V
C5	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C6	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C9	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C12	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C15	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C20	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C21	1-113-985-11	s	TANTALUM, CHIP 10uF 20% 20V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C32	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C35	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C37	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C38	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C39	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C41	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C50	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C51	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C52	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-691-943-21	o	CONNECTOR, BOARD TO BOARD 30P
CN2	1-568-367-11	s	CONNECTOR, BOARD TO BOARD 18P
CN3	1-568-367-11	s	CONNECTOR, BOARD TO BOARD 18P
D1	8-719-029-57	s	DIODE RD2.4UH-T1
D6	8-719-948-48	s	DIODE HSM88AS-TL
D7	8-719-948-48	s	DIODE HSM88AS-TL
D8	8-719-948-48	s	DIODE HSM88AS-TL
D9	8-719-948-48	s	DIODE HSM88AS-TL
IC2	8-759-523-94	s	IC TC74VHC32FT(EL)
IC3	8-759-523-94	s	IC TC74VHC32FT(EL)
IC4	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC5	8-759-523-95	s	IC TC74VHC74FT(EL)
IC6	8-759-523-95	s	IC TC74VHC74FT(EL)

(TG-207/207P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC7	8-759-523-78	s	IC TC74VHC00FT(EL)
IC8	8-759-337-40	s	IC NJM2904V(TE2)
IC9	8-759-196-97	s	IC TC7SH32FU-TE85R
IC10	8-759-196-93	s	IC TC7SH00FU-TE85R
IC11	8-759-271-86	s	IC TC7SH04FU
Q1	8-729-141-48	s	TRANSISTOR 2SB624-BV345
R1	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R2	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R3	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R4	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R5	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R7	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R8	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R9	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R10	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R11	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R12	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R14	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R15	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R16	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R17	1-218-683-11	s	METAL, CHIP 430 0.50% 1/16W
R18	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R19	1-218-656-11	s	METAL, CHIP 33 0.50% 1/16W
R20	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R21	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R22	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R23	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R24	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R25	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R26	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R27	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R28	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R29	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R30	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R31	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R32	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R33	1-216-791-11	s	METAL, CHIP 3.3 5% 1/16W
R34	1-216-791-11	s	METAL, CHIP 3.3 5% 1/16W
R35	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R36	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R37	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R38	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R39	1-218-881-11	s	METAL, CHIP 27K 0.50% 1/16W
R40	1-218-681-11	s	METAL, CHIP 360 0.50% 1/16W
R41	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *7]
R42	1-216-864-11	s	METAL, CHIP 0 5% 1/16W [for *8]
R44	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R47	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R48	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R49	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R50	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R51	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R52	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R56	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R57	1-218-670-11	s	METAL, CHIP 120 0.50% 1/16W
R59	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R62	1-218-675-11	s	METAL, CHIP 200 0.50% 1/16W
R63	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R65	1-218-672-11	s	METAL, CHIP 150 0.50% 1/16W
R66	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W

(TG-207/207P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R67*t'	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R67*u'	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R68	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R70	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R71	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R73	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R74	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R75	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R76	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R79	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R80	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R81	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R82	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R83	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R84	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
RV1	1-241-828-21	s	RES, ADJ, METAL 500
RV2	1-241-828-21	s	RES, ADJ, METAL 500
S1	1-571-275-31	s	SWITCH, SLIDE
S2	1-571-275-31	s	SWITCH, SLIDE
X1	1-579-715-11	s	OSCILLATOR, CRYSTAL 36.000000MHz [for *8]

VA-191 BOARD

Note

*v': Serial No.10056 and higher (707 SY)
30006 and higher (707 J/709WS J/790WS J)
10086 and higher (709WS SY/790WS SY)
40106 and higher (707P)
40176 and higher (709WSP)
40266 and higher (790WSP)

*w': Serial No.10001 through 10055 (707 SY)
30001 through 30005 (707 J/709WS J/790WS J)
10001 through 10085 (709WS SY/790WS SY)
40001 through 40105 (707P)
40001 through 40175 (709WSP)
40001 through 40265 (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-491-A	o	MOUNTED CIRCUIT BOARD, VA-191
C1	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C2	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C6	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-107-685-11	s	TANTALUM, CHIP 15uF 20% 6.3V
C8	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C10	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C11	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C12	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C15	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-135-179-21	s	TANTALUM, CHIP 2.2uF 10% 16V
C18	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C19	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C20	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C21	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C22	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C23	1-104-563-11	s	FILM, CHIP 0.1uF 5% 16V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C30	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-164-230-11	s	CERAMIC 220PF 5% 50V
C32	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C34	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C35	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C36	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C37	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C40	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C41	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C42	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C43	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C101	1-113-990-11	s	TANTALUM, CHIP 15uF 20% 16V
C102	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C103	1-113-990-11	s	TANTALUM, CHIP 15uF 20% 16V
C104	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C105	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C106	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C107	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C108	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C109	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C111	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C112	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C116	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C117	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C118	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C119	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C120	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C121	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C123	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C124	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C125	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C126	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C127	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C128	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C129	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C132	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C134	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C137	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C138	1-135-190-21	s	TANTALUM, CHIP 0.1uF 10% 20V
C139	1-135-233-21	s	TANTALUM, CHIP 0.33uF 20% 16V
C140	1-135-190-21	s	TANTALUM, CHIP 0.1uF 10% 20V
C141	1-135-233-21	s	TANTALUM, CHIP 0.33uF 20% 16V
C143	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C201	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C202	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C203	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C204	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C205	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C206	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C207	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C208	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C209	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C211	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C212	1-162-907-11	s	CERAMIC, CHIP 2PF 50V
C216	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C217	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C218	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C219	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C220	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C221	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C223	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C224	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C225	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C226	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C227	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C228	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C229	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C232	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C234	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C235	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C237	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C238	1-135-190-21	s	TANTALUM, CHIP 0.1uF 10% 20V
C239	1-135-233-21	s	TANTALUM, CHIP 0.33uF 20% 16V
C240	1-135-190-21	s	TANTALUM, CHIP 0.1uF 10% 20V
C241	1-135-233-21	s	TANTALUM, CHIP 0.33uF 20% 16V
C243	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C301	1-113-990-11	s	TANTALUM, CHIP 15uF 20% 16V
C302	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C303	1-113-990-11	s	TANTALUM, CHIP 15uF 20% 16V

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Ref. No. or Q'ty	Part No.	SP	Description
C304	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C305	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C306	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C307	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C308	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C309	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C311	1-162-905-11	s	CERAMIC, CHIP 1PF 50V
C312	1-162-905-11	s	CERAMIC, CHIP 1PF 50V
C316	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C318	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C319	1-135-210-11	s	TANTALUM, CHIP 4.7uF 20% 10V
C320	1-162-909-11	s	CERAMIC, CHIP 4PF 0.25PF 50V
C321	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C324	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C325	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C326	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C327	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C328	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C329	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C332	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C334	1-113-994-11	s	TANTALUM, CHIP 6.8uF 20% 16V
C337	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C338	1-135-190-21	s	TANTALUM, CHIP 0.1uF 10% 20V
C339	1-135-233-21	s	TANTALUM, CHIP 0.33uF 20% 16V
C340	1-135-190-21	s	TANTALUM, CHIP 0.1uF 10% 20V
C341	1-135-233-21	s	TANTALUM, CHIP 0.33uF 20% 16V
C343	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
CN1	1-568-361-21	s	CONNECTOR, BOARD TO BOARD 24P
CN2	1-778-552-11	o	PIN, CONNECTOR 30P
CN3	1-569-607-21	o	CONNECTOR, BOARD TO BOARD 24P
D1	8-719-948-48	s	DIODE HSM88AS-TL
D2	8-719-029-63	s	DIODE RD4.3UH-T1
D3	8-719-029-63	s	DIODE RD4.3UH-T1
D4	8-719-820-41	s	DIODE 1SS302
D5	8-719-820-41	s	DIODE 1SS302
D103	8-719-948-48	s	DIODE HSM88AS-TL
D203	8-719-948-48	s	DIODE HSM88AS-TL
D303	8-719-948-48	s	DIODE HSM88AS-TL
FL101	1-402-639-11	s	FILTER, TRAP
FL102	1-239-620-21	s	FILTER, TRAP
FL201	1-402-639-11	s	FILTER, TRAP
FL202	1-239-620-21	s	FILTER, TRAP
FL301	1-402-639-11	s	FILTER, TRAP
FL302	1-239-620-21	s	FILTER, TRAP
IC1	8-759-970-59	s	IC TLC272CPS
IC2	8-759-111-56	s	IC UPC4572G2
IC3	8-759-234-77	s	IC TC4S66F
IC4	8-759-523-81	s	IC TC74VHC08FT(EL)
IC5	8-759-084-79	s	IC TC7S14F
IC6	8-759-523-04	s	IC TC74HC4538AFT(EL)
IC7	8-759-175-02	s	IC TL074CPW
IC8	8-759-082-61	s	IC TC4W53FU
IC9	8-759-635-27	s	IC M62352GP
IC10	8-759-059-50	s	IC MB88351PFV
IC11	8-759-175-04	s	IC PCF8574T-T
IC12	8-759-271-86	s	IC TC7SH04FU

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Ref. No. or Q'ty	Part No.	SP	Description
IC13	8-759-257-96	s	IC TC7S14FU(TE85R)
IC16	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC17	8-759-175-02	s	IC TL074CPW
IC18	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC19	8-759-059-50	s	IC MB88351PFV
IC101	8-759-463-81	s	IC TLC2272CPW-E05
IC102	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC103	8-752-068-64	s	IC CXA1486Q-TH
IC104	8-759-082-61	s	IC TC4W53FU
IC201	8-759-463-81	s	IC TLC2272CPW-E05
IC202	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC203	8-752-068-64	s	IC CXA1486Q-TH
IC204	8-759-082-61	s	IC TC4W53FU
IC301	8-759-463-81	s	IC TLC2272CPW-E05
IC302	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC303	8-752-068-64	s	IC CXA1486Q-TH
IC304	8-759-082-61	s	IC TC4W53FU
L1	1-410-385-11	s	INDUCTOR, CHIP 22uH
L6	1-412-955-11	s	INDUCTOR 22uH
L7	1-412-955-11	s	INDUCTOR 22uH
L8	1-412-955-11	s	INDUCTOR 22uH
L101	1-412-935-11	s	INDUCTOR 0.47uH
L103	1-410-382-31	s	INDUCTOR, CHIP 12uH
L104	1-410-382-31	s	INDUCTOR, CHIP 12uH
L201	1-412-935-11	s	INDUCTOR 0.47uH
L203	1-410-382-31	s	INDUCTOR, CHIP 12uH
L204	1-410-382-31	s	INDUCTOR, CHIP 12uH
L301	1-412-935-11	s	INDUCTOR 0.47uH
L303	1-410-382-31	s	INDUCTOR, CHIP 12uH
L304	1-410-382-31	s	INDUCTOR, CHIP 12uH
Q2	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q3	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q4	8-729-402-78	s	TRANSISTOR XN6401
Q5	8-729-402-19	s	TRANSISTOR XN6501
Q6	8-729-402-19	s	TRANSISTOR XN6501
Q9	8-729-403-29	s	TRANSISTOR XN6435
Q10	8-729-403-29	s	TRANSISTOR XN6435
Q11	8-729-122-63	s	TRANSISTOR 2SA1226
Q12	8-729-122-63	s	TRANSISTOR 2SA1226
Q13	8-729-122-63	s	TRANSISTOR 2SA1226
Q14	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q101	8-729-117-32	s	TRANSISTOR 2SC4177
Q102	8-729-403-29	s	TRANSISTOR XN6435
Q103	8-729-122-63	s	TRANSISTOR 2SA1226
Q104	8-729-122-63	s	TRANSISTOR 2SA1226
Q105	8-729-403-32	s	TRANSISTOR XN6534
Q106	8-729-403-32	s	TRANSISTOR XN6534
Q109	8-729-117-32	s	TRANSISTOR 2SC4177
Q113	8-729-403-32	s	TRANSISTOR XN6534
Q114	8-729-117-32	s	TRANSISTOR 2SC4177
Q201	8-729-117-32	s	TRANSISTOR 2SC4177
Q202	8-729-403-29	s	TRANSISTOR XN6435
Q203	8-729-122-63	s	TRANSISTOR 2SA1226
Q204	8-729-122-63	s	TRANSISTOR 2SA1226
Q205	8-729-403-32	s	TRANSISTOR XN6534
Q206	8-729-403-32	s	TRANSISTOR XN6534
Q209	8-729-117-32	s	TRANSISTOR 2SC4177
Q213	8-729-403-32	s	TRANSISTOR XN6534
Q214	8-729-117-32	s	TRANSISTOR 2SC4177
Q301	8-729-117-32	s	TRANSISTOR 2SC4177

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Ref. No. or Q'ty	Part No.	SP	Description
Q302	8-729-403-29	s	TRANSISTOR XN6435
Q303	8-729-122-63	s	TRANSISTOR 2SA1226
Q304	8-729-122-63	s	TRANSISTOR 2SA1226
Q305	8-729-403-32	s	TRANSISTOR XN6534
Q306	8-729-403-32	s	TRANSISTOR XN6534
Q309	8-729-117-32	s	TRANSISTOR 2SC4177
Q313	8-729-403-32	s	TRANSISTOR XN6534
Q314	8-729-117-32	s	TRANSISTOR 2SC4177
R1	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R2	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R3	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R4	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R5	1-218-701-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R6	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R7	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R9	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R10	1-218-702-11	s	METAL, CHIP 2.7K 0.50% 1/16W
R11	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R12	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R13	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R14	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R15	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R16	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R17	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R18	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R19	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R20	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R21	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R22	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R23	1-216-857-11	s	METAL, CHIP 1M 5% 1/16W
R24	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R25	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R26	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R27	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R28	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R29	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R30	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R31	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R32	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R33	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R34	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R35	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R36	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R37	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R38	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R39	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R40	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R41	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R42	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R43	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R44	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R45	1-218-708-11	s	METAL, CHIP 4.7K 0.50% 1/16W
R46	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R47	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R48	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R49	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R50	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R51	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R53	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R57	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W

(VA-191 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R58	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R59	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R60	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R61	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R62	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R63	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R64	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R65	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R66	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R67	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R68	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R69	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R70	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R71	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R72	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R73	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R74	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R76	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R77	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R78	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R79	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R80	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R81	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R82	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R83	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R101	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R102	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R103	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R104	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R105	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R106	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R107*v'	1-218-701-11	s	METAL, CHIP 2.4K 0.50% 1/16W
R107*w'	1-218-699-11	s	METAL, CHIP 2K 0.50% 1/16W
R108	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R109	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R110	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R111	1-218-747-11	s	METAL, CHIP 200K 0.50% 1/16W
R112	1-218-709-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R113	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R114	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R115	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R116	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R117	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R118	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R119	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R120	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R121	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R122	1-216-125-00	s	METAL, CHIP 1.5M 5% 1/10W
R124	1-218-699-11	s	METAL, CHIP 2K 0.50% 1/16W
R125	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R126	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R127	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R128	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R129	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R130	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R131	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R132	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R133	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R134	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R135	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R136	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R137	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R138	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R139	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R150	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R151	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R152	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R153	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R154	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R155	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R156	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R157	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R158	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R159	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R160	1-218-725-11	s	METAL, CHIP 24K 0.50% 1/16W
R161	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R163	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R164	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R165	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R166	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R167	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R168	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R169	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R201	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R202	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R203	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R204	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R205	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R206	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R207	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R208	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R209	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R210	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R211	1-218-747-11	s	METAL, CHIP 200K 0.50% 1/16W
R212	1-218-709-11	s	METAL, CHIP 5.1K 0.50% 1/16W
R213	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R214	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R215	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R216	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R217	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R218	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R219	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R220	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R221	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R222	1-216-123-11	s	METAL, CHIP 1.2M 5% 1/10W
R224	1-218-699-11	s	METAL, CHIP 2K 0.50% 1/16W
R225	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R226	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R227	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R228	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R229	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R230	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R231	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R232	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R233	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R234	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R235	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R236	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R237	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R238	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R239	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R250	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R251	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R252	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R253	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R254	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R255	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R256	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R257	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R258	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R259	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R260	1-218-725-11	s	METAL, CHIP 24K 0.50% 1/16W
R261	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R263	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R264	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R265	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R266	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R267	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R268	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R269	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R301	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R302	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R303	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R304	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R305	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R306	1-218-694-11	s	METAL, CHIP 1.2K 0.50% 1/16W
R307	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R308	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R309	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R310	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R311	1-218-744-11	s	METAL, CHIP 150K 0.50% 1/16W
R312	1-218-870-11	s	METAL, CHIP 9.1K 0.50% 1/16W
R313	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R314	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R315	1-218-690-11	s	METAL, CHIP 820 0.50% 1/16W
R316	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R317	1-218-730-11	s	METAL, CHIP 39K 0.50% 1/16W
R318	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R319	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R320	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R321	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R322	1-216-129-00	s	METAL, CHIP 2.2M 5% 1/10W
R324	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R325	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R326	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R327	1-218-736-11	s	METAL, CHIP 68K 0.50% 1/16W
R328	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R329	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R330	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R331	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R332	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R333	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R334	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R335	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R336	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R337	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R338	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R339	1-218-714-11	s	METAL, CHIP 8.2K 0.50% 1/16W
R350	1-218-712-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R351	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R352	1-218-704-11	s	METAL, CHIP 3.3K 0.50% 1/16W
R353	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R354	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R355	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R356	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R357	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R358	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R359	1-218-703-11	s	METAL, CHIP 3K 0.50% 1/16W
R360	1-218-725-11	s	METAL, CHIP 24K 0.50% 1/16W
R361	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R363	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R364	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R365	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R366	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R367	1-218-689-11	s	METAL, CHIP 750 0.50% 1/16W
R368	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R369	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
RV101	1-237-035-11	s	RES, ADJ METAL 5K
RV201	1-237-035-11	s	RES, ADJ METAL 5K
RV301	1-237-034-11	s	RES, ADJ METAL 2K

VR-248 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8321-458-A	o	MOUNTED CIRCUIT BOARD, VR-248
C1	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C2	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C3	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C4	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
CN10	1-750-159-21	o	CONNECTOR, FPC 5P
CN11	1-580-789-21	o	PIN, CONNECTOR (SMD) 6P
CN15	1-569-775-21	o	PIN, CONNECTOR (SMD) 5P
CN16	1-580-756-21	o	PIN, CONNECTOR (SMD) 7P
R1	1-216-295-11	s	CONDUCTOR, CHIP 0
R2	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
RV1	1-223-684-11	s	RES, VAR, CARBON 5K
RV3	1-223-684-11	s	RES, VAR, CARBON 5K
S1	1-570-834-11	s	SWITCH, SLIDE

VSE-32 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-672-911-11	o	PRINTED CIRCUIT BOARD, VSE-32
C1	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C2	1-115-339-11	s	CERAMIC 0.1uF 10% 50V
C3	1-115-339-11	s	CERAMIC 0.1uF 10% 50V

1-5. Frame List

1-5-1. Harnesses/Flexible Card Wires List

Ref. No. or Q'ty	Part No.	SP	Description
HN101	1-959-400-11	o	HARNESS, SUB (MB811-DR)
			(FROM CN33/MB-811 BOARD TO CN8/DR-387 BOARD)
HN102	1-959-397-11	o	HARNESS, SUB (DR-MB811)
			(FROM CN31/MB-811 BOARD TO CN2/DR-387 BOARD)
HN103	1-959-398-11	o	HARNESS, SUB (IF716-MB811)
			(CN40/MB-811 TO CN400/IF-716 BOARD)
HN104	1-959-394-11	o	HARNESS, SUB (MB810-IF716)
(TO CN50/MB-810 BOARD)			
	1-569-621-11	o	HOUSING, CONNECTOR 12P
12pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
(TO CN500/IF-716 BOARD)			
	1-569-621-11	o	HOUSING, CONNECTOR 12P
12pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN105	1-959-399-11	o	HARNESS, SUB (IF716-MB810)
			(FROM CN60/MB-810 BOARD TO CN600/IF-716 BOARD)
HN106	1-959-402-11	o	HARNESS (VF)
(CN106)	1-565-051-21	o	CONNECTOR, 20P FEMAL "VF"
(TO CN23/MB-811 BOARD)			
	1-778-549-11	o	HOUSING, 20P
20pcs	1-778-554-11	o	CONTACT FEMALE AWG#28-30
HN107	1-959-006-11	o	HARNESS, SUB (MB-PSW)
(S107)	1-771-491-11	s	SWITCH, TOGGLE
(TO CN10/MB-810 BOARD)			
	1-569-617-11	o	HOUSING, CONNECTOR 2P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN108	1-959-396-11	o	HARNESS, SUB (LP109-MB811)
			(FROM CN51/MB-811 BOARD TO CN101/LP-109 BOARD
HN109	1-959-395-11	o	HARNESS, SUB (SW973-MB811)
			(FROM CN32/MB-811 BOARD TO CN3/SW-973 BOARD)
HN110	1-790-583-11	s	CABLE, FLEXIBLE FLAT (45 CORE)
			(FROM CN2/CI-21 BOARD TO CN2/CI-20 BOARD)
HN111	1-790-487-11	s	CABLE, FLEXIBLE FLAT (20 CORE)
			(FROM CN21/MB-811 BOARD TO CN121/TC-101 BOARD)
HN112	1-790-486-11	s	CABLE, FLEXIBLE FLAT (30 CORE)
			(FROM CN22/MB-810 BOARD TO CN122/TC-101 BOARD)
HN113	1-790-486-11	s	CABLE, FLEXIBLE FLAT (30 CORE)
			(FROM CN23/MB-810 BOARD TO CN123/TC-101 BOARD)
HN114	1-959-392-12	o	HARNESS, SUB(PS533-LIGHT/SW973)
(FB114)	1-543-157-11	s	BEAD, FERRITE
(TO CN102/PS-533 BOARD)			
	1-562-256-11	o	HOUSING, CONNECTOR 6P
2pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
2pcs	3-709-106-01	o	TERMINAL, LIGHT
1pcs	3-709-107-01	o	CONNECTOR, LIGHT
1pcs	3-709-108-01	o	HOLDER
(TO CN1/SW-973 BOARD)			
	1-562-252-11	o	HOUSING, CONNECTOR 2P
2pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
HN115	1-959-391-11	o	HARNESS, SUB (CNB11-PS533)
(TO CN101/PS-533 BOARD)			
	1-562-254-00	o	HOUSING, 4P
	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
(TO CN105/CNB-11 BOARD)			
	1-562-254-00	o	HOUSING, 4P
	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
HN116	1-959-382-11	o	HARNESS, SUB (CNB11-MB811)
(TO CN109/CNB-11 BOARD)			
	1-565-169-11	o	HOUSING 7P
6pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
(TO CN109/MB-811 BOARD)			
	1-580-582-11	o	HOUSING, 12P
6pcs	1-573-176-11	o	CONTACT, FEMALE AWG#22-26
HN117	1-959-380-11	o	HARNESS, SUB (CNB-LP716)
			(FROM CN101/LP-111 BOARD TO CN50/CNB-11 BOARD)
HN118	1-959-393-11	o	HARNESS, SUB (CNB11-BATT IN)
(TO CN104/CNB-11 BOARD)			
	1-580-582-11	o	HOUSING, 12P
12pcs	1-573-176-11	o	CONTACT, FEMALE AWG#22-26

Ref. No. or Q'ty	Part No.	SP	Description
HN119	1-959-390-11	o	HARNESS, SUB (CNB11-DC-106)
(TO CN102/CNB-11 BOARD)			
1pc	1-580-696-11	o	HOUSING 9P
9pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
HN120	1-959-381-11	o	HARNESS, SUB (CNB11-DC OUT)
(CN120)	1-565-072-11	s	CONNECTOR, 4P FEMALE "DC OUT"
(TO CN103/CNB-11 BOARD)			
	1-562-252-00	o	HOUSING, 2P
2pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
HN121	1-959-383-11	o	HARNESS, SUB (CNB11-HP93)
(TO CN10/HP-93 BOARD)			
	1-562-253-00	o	HOUSING, 3P
2pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
(TO CN110/CNB-11 BOARD)			
	1-562-253-00	o	HOUSING, 3P
2pcs	1-562-260-11	o	CONTACT, FEMALE AWG#24-28
HN122	1-959-375-11	o	HARNESS, SUB (CNB11-IO178)
			(FROM CN1/IO-178 BOARD TO CN108/CNB-11 BOARD)
HN123	1-959-370-11	o	HARNESS, SUB (RM180-CNB11)
			(FROM CN6/RM-180 BOARD TO CN35/CNB-11 BOARD)
HN124	1-959-388-13	o	HARNESS, SUB (AUDIO POWER)
(TO CN102/AXM-11 BOARD)			
	1-569-619-11	o	HOUSING, CONNECTOR 4P
4pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
(TO CN106/CNB-11 BOARD)			
	1-569-619-11	o	HOUSING, CONNECTOR 4P
4pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN125	1-959-389-13	o	HARNESS, SUB (AUDIO LINE)
(TO CN101/AXM-11 BOARD)			
	1-569-521-11	o	HOUSING, CONNECTOR 11P
11pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
(TO CN106/CNB-11 BOARD)			
	1-569-521-11	o	HOUSING, CONNECTOR 11P
11pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN126	1-783-251-11	s	CABLE ASSEMBLY, COAXIAL
			(FROM MB-811 BOARD OR DIF-75 BOARD TO VIDEO OUT)
HN201	1-959-379-11	o	HARNESS, SUB (MA94-IF716)
			(FROM CN30/MA-94 BOARD TO CN300/IF-716 BOARD)
HN202	1-959-401-11	o	HARNESS (LENS)
(CN202)	1-695-841-12	s	CONNECTOR, 12P FEMALE "LENS"
(TO CN100/IF-716 BOARD)			
	1-580-583-11	o	HOUSING, 14P
12pcs	1-580-599-11	o	CONTACT, FEMALE AWG#26-30
HN203	1-959-372-11	o	HARNESS, SUB (SW971-SW983)
			(FROM CN10/SW-971 BOARD TO CN1/SW-983 BOARD)
HN204	1-959-374-11	o	HARNESS, SUB (VR248-CP329)
			(FROM CN11/VR-248 BOARD TO CN1/CP-329 BOAR)
HN205	1-959-378-11	o	HARNESS, SUB (TC101-VR248)
			(FROM CN16/VR-248 BOARD TO CN6/TC-101 BOARD)
HN206	1-959-373-11	o	HARNESS, SUB (VR248-TC101)
			(FROM CN15/VR-248 BOARD TO CN5/TC-101 BOARD)
HN207	1-959-376-11	o	HARNESS, SUB (KY293-TC101)
			(FROM CN150/KY-293 BOARD TO CN150/TC-101 BOARD)
HN208	1-959-377-11	o	HARNESS, SUB (SW972-TC101)
			(FROM CN18/SW-972 BOARD TO CN8/TC-101 BOARD)
HN209	1-959-371-11	o	HARNESS, SUB (HP93-TC101)
			(FROM CN1/HP-93 BOARD TO CN503/TC-101 BOARD)
HN210	1-953-418-11	o	HARNESS, SUB (TC7-SPK)
			(TO CN7/TC-101 BOARD)
	1-569-617-11	o	HOUSING, CONNECTOR 2P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN301	1-959-384-12	o	HARNESS, SUB (VA-DCP17)
(TO CN2/VA-191 BOARD)			
	1-778-550-11	o	HOUSING, CONNECTOR 30P
30pcs	1-778-554-11	o	CONTACT FEMALE AWG#28-30
(TO CN12/DCP-17 BOARD)			
	1-778-550-11	o	HOUSING, CONNECTOR 30P
30pcs	1-778-554-11	o	CONTACT FEMALE AWG#28-30
HN302	1-959-386-11	o	HRANESS, SUB (BC-DCP17)
(TO CN1/BC-31 BOARD OR BC-32 BOARD)			
	1-778-549-11	o	HOUSING, 20P
20pcs	1-778-554-11	o	CONTACT FEMALE AWG#28-30
(TO CN13/DCP-17 BOARD)			
	1-778-549-11	o	HOUSING, 20P
20pcs	1-778-554-11	o	CONTACT FEMALE AWG#28-30
HN401	1-953-424-11	o	HARNESS, SUB (SE2-HN5)
			(FROM CN5/HN-260 BOARD TO CN2/SE-275 BOARD)
HN402	1-953-425-11	o	HARNESS, SUB (SE1-HN6)
			(FROM CN6/HN-260 BOARD TO CN1/SE-275 BOARD)
HN403	1-953-423-11	o	HARNESS, SUB (CTL1-HN4)
			(FROM CN4/HN-260 BOARD TO CN1/CTL-10 BOARD)
HN404	1-953-426-11	o	HARNESS, SUB (SR1-HN8)
			(FROM CN8/HN-260 BOARD TO CN1/SR-56 BOARD(DRUM))
HN405	1-953-409-13	o	HARNESS, SUB (DR1-HN2)
(TO CN2/HN-260 BOARD)			
	1-580-585-11	o	HOUSING, 18P
18pcs	1-580-599-11	o	CONTACT, FEMALE AWG#26-30
(TO CN1/DR-239 BOARD(DRUM))			
	1-580-585-11	o	HOUSING, 18P
18pcs	1-580-599-11	o	CONTACT, FEMALE AWG#26-30
HN406	1-953-408-12	o	HARNESS, SUB (DR2-HN1)
(TO CN1/HN-260 BOARD)			
	1-580-582-11	o	HOUSING, 12P
12pcs	1-580-599-11	o	CONTACT, FEMALE AWG#26-30
(TO CN2/DR-239 BOARD(DRUM))			
	1-580-582-11	o	HOUSING, 12P
12pcs	1-580-599-11	o	CONTACT, FEMALE AWG#26-30
HN407	1-953-420-12	o	HARNESS, SUB (DR3-HN10)
(TO CN10/HN-260 BOARD)			
	1-565-979-11	o	HOUSING, CONNECTOR 8P
7pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
1pc	1-766-387-11	o	CONTACT, FEMALE AWG#26-28
(TO CN3/DR-239 BOARD(DRUM))			
	1-565-979-11	o	HOUSING, CONNECTOR 8P
7pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
1pc	1-766-387-11	o	CONTACT, FEMALE AWG#26-28
HN408	1-953-427-11	o	HARNESS, SUB (CUE1-HN11)
			(FROM CN11/HN-260 BOARD TO CN1/CUE-2 BOARD)
HN409	1-953-417-11	o	HARNESS, SUB (TC HEAD-HN12)
(TO CN12/HN-260 BOARD)			
	1-569-618-11	o	HOUSING, CONNECTOR 3P
	1-766-387-11	o	CONTACT, FEMALE AWG#26-28
HN410	1-953-435-11	o	HARNESS, SUB (CAP-HN14)
			(FROM CN14/HN-260 BOARD TO CAPSTAN MOTOR)
HN411	1-953-414-11	o	HARNESS, SUB (END-SE3)
(TO CN3/SE-275 BOARD)			
	1-569-617-11	o	HOUSING, CONNECTOR 2P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN412	1-953-415-11	o	HARNESS, SUB (TOP-SE4)
(TO CN4/SE-275 BOARD)			
	1-569-617-11	o	HOUSING, CONNECTOR 2P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN413	1-953-412-11	o	HARNESS, SUB (CTL-HEAD)
(TO CN2/CTL-10 BOARD)			
	1-569-617-11	o	HOUSING, CONNECTOR 2P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN414	1-953-411-11	o	HARNESS, SUB (FE-HEAD)
(TO CN4/CTL-10 BOARD)			
	1-569-618-11	o	HOUSING, CONNECTOR 3P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN415	1-953-416-11	o	HARNESS, SUB (TM-CUE3)
(TO CN3/CUE-2 BOARD)			
	1-569-617-11	o	HOUSING, CONNECTOR 2P
2pcs	1-565-977-11	s	CONTACT, FEMALE AWG#28-32
HN416	1-953-413-11	o	HARNESS, SUB (CUE HEAD-CUE2)
(TO CN2/CUE-2 BOARD)			
	1-569-617-11	o	HOUSING, CONNECTOR 2P
	1-766-387-11	o	CONTACT, FEMALE AWG#26-28

1-5-2. External Connectors

Ref. No. or Q'ty	Part No.	SP	Description
CN1	1-766-377-12	s	CONNECTOR, BATTERY
CN3	1-766-381-11	s	CONNECTOR, BNC "GENLOCK IN"
CN4	1-766-381-11	s	CONNECTOR, BNC "TC IN"
CN5	1-766-381-11	s	CONNECTOR, BNC "TC OUT"
CN6	1-766-380-11	s	CONNECTOR, BNC "TEST OUT"
CN106	1-565-051-21	o	CONNECTOR, 20P FEMAL "VF"
CN120	1-565-072-11	s	CONNECTOR, 4P FEMALE "DC OUT"
CN126	1-784-240-11	s	CONVERTER, COAXIAL CONNECTOR "VIDEO OUT"
CN202	1-695-841-12	s	CONNECTOR, 12P FEMALE "LENS"

1-6. Supplied Accessories

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-6772-374-C	s	BELT ASSY, SHOULDER
1pc	1-542-295-11	s	MICROPHONE
1pc	3-709-104-01	s	SCREEN, WINDOW
1pc	3-725-262-03	s	COVER, RAIN [for J]
2pcs	3-741-726-01	o	CAP (2), XLR [J: 4pcs]
2pcs	3-741-727-01	o	CAP (1), XLR [except Japan]

1-7. Optional Fixtures

Part No.	SP	Description
A-8321-274-A	o	Extension Board, EX-655
A-8321-275-A	o	Extension Board, EX-656
A-8321-277-A	o	Extension Board, EX-657
A-8321-278-A	o	Extension Board, EX-658
A-8321-276-A	o	Extension Board, EX-667
J-6001-820-A	s	Drum Eccentricity Gauge (3)
J-6001-830-A	s	Drum Eccentricity Gauge (2)
J-6026-110-A	o	Multi Burst Chart
J-6026-130-B	o	Gray Scale Chart (transparent type) (4:3)
J-6394-080-A	o	Gray Scale Chart (16:9)
J-6029-140-B	o	Pattern Box PTB-500
J-6035-070-A	o	IC External Tool (CT-2101)
J-6080-840-A	s	Inspection Mirror
J-6087-000-A	s	Drum Eccentricity Gauge (5)
J-6152-450-A	s	Wire Clearance Check Gauge
J-6322-420-B	o	Tape Guide Adjustment Drier (45)
J-6322-420-3	o	TG Driver Spare Bit (45)
J-6323-530-A	o	Stop Washer Fastening Tool
J-6323-890-A	o	FWD Back Tension Measuring Cassette
J-6324-150-A	o	Reel Table Height Adjustment Tool
J-6325-110-A	o	Torque Driver Bit (for M1.4)
J-6325-380-A	o	Torque Driver Bit (for M2)
J-6325-400-A	o	Torque Driver (for 3 kg)
J-6325-530-A	o	Drum Eccentricity Gauge (6)
J-6326-120-A	o	Hexagonal Bit (1.5mm)
J-6420-840-A	o	Channel Condition Checker
J-6420-900-A	o	MB Translate Board
J-6420-910-A	o	TP Tool
J-6420-930-A	o	Extension Harness, 100 pin
J-7031-630-A	o	PG-163, 40-pin Positioning Tool
J-7032-150-A	o	PG-215, 40-pin CN Positioning
J-7032-610-B	o	Cassette Reference Plate
3-193-678-01	o	Stay
3-184-527-01	s	Cleaning Cloth
7-432-950-03	o	Sealant (TSE-392W)
7-661-018-18	s	Oil
7-651-000-11	s	Grease, SGL-801 (50 g)
7-700-736-04	s	Hexagonal Wrench (d = 2.5 mm)
7-700-736-05	s	Hexagonal Wrench (d = 1.5 mm)
7-700-736-06	s	Hexagonal Wrench (d = 0.89 mm)
8-960-073-01	o	Alignment Tape, ZR5-1(NTSC)
8-960-073-11	o	Alignment Tape, ZR2-1(NTSC)
8-960-073-51	o	Alignment Tape, ZR5-1P(PAL)
8-960-073-61	o	Alignment Tape, ZR2-1P(PAL)
9-919-573-01	s	Cleaning Fluid

Commercially ailable:
Gray Scale Chart (reflective type)(4:3)
Cleaning Tape, BCT-D12CL

1-8. BKDW-702

DIF-75 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	3-616-719-02	o	PANEL, PC BOARD
6pcs	3-729-061-01	s	SCREW (M2X4.5) (TYPE 1)
1pc	3-724-753-01	o	RING
C1	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C2	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C3	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C4	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C5	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C6	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C7	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C8	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C9	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C10	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C11	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C12	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C13	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C14	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C15	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C16	1-164-230-11	s	CERAMIC 220PF 5% 50V
C17	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C18	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C19	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C20	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C21	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C22	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C23	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C24	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C25	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C26	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C27	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C28	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C29	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C30	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C31	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C32	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C33	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C34	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C35	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C36	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C37	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C38	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C39	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C40	1-115-581-11	s	TANTALUM, CHIP 100uF 20% 16
C41	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C42	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C43	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C44	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C45	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C46	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C47	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C48	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C49	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C50	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C51	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C52	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C53	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C54	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V

(DIF-75 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C55	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C56	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C57	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C58	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C59	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C60	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C61	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C62	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C63	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C64	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C65	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C66	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C67	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C68	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C69	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C70	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C71	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C72	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C73	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C74	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C75	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C76	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C77	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C78	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C79	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C80	1-162-910-11	s	CERAMIC, CHIP 5PF 50V
C81	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C82	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C83	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C84	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C85	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C86	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C87	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C88	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C89	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C90	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C91	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C92	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C94	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C95	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C96	1-107-826-91	s	CERAMIC 0.1uF 10% 16V
C97	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C98	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C99	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
C100	1-104-913-11	s	TANTALUM, CHIP 10uF 20% 16V
CN2	1-764-243-11	o	CONNECTOR (COAXIAL)
D1	8-719-820-41	s	DIODE 1SS302
FB200	1-543-309-21	s	BEAD, FERRITE
FB201	1-543-309-21	s	BEAD, FERRITE
FB202	1-543-309-21	s	BEAD, FERRITE
FB204	1-543-309-21	s	BEAD, FERRITE
IC1	8-759-524-50	s	IC TC74VHC541FT(EL)
IC2	8-759-524-50	s	IC TC74VHC541FT(EL)
IC3	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC4	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC5	8-759-491-46	s	IC TC74VHCT04AFT(EL)
IC6	8-759-491-46	s	IC TC74VHCT04AFT(EL)

(DIF-75 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC7	8-752-386-51	s	IC CXD3122R
IC8	8-752-386-51	s	IC CXD3122R
IC9	8-759-523-95	s	IC TC74VHC74FT(EL)
IC10	8-759-196-93	s	IC TC7SH00FU-TE85R
IC11	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC12	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC13	8-759-529-76	s	IC TC74VHC595FT(EL)
IC14	8-759-529-76	s	IC TC74VHC595FT(EL)
IC15	8-759-529-76	s	IC TC74VHC595FT(EL)
IC16	8-759-529-76	s	IC TC74VHC595FT(EL)
IC17	8-759-196-97	s	IC TC7SH32FU-TE85R
IC18	8-759-519-12	s	IC CXD8281Q
IC19	8-759-523-04	s	IC TC74HC4538AFT(EL)
IC20	8-759-523-95	s	IC TC74VHC74FT(EL)
IC21	8-759-172-73	s	IC CXD8385Q
IC22	8-759-524-18	s	IC TC74VHC163FT(EL)
IC23	8-759-344-84	s	IC CXD8953Q
IC24	8-759-524-50	s	IC TC74VHC541FT(EL)
IC25	8-759-524-50	s	IC TC74VHC541FT(EL)
IC26	8-759-196-96	s	IC TC7SH08FU-TE85R
IC27	8-752-078-32	s	IC CXB1341R
IC28	8-759-066-68	s	IC REF-03GS
IC29	8-759-488-34	s	IC TLV2221CDBV
IC30	8-759-082-61	s	IC TC4W53FU
IC31	8-759-082-61	s	IC TC4W53FU
IC32	8-759-463-81	s	IC TLC2272CPW-E05
IC33	8-759-054-61	s	IC CLC505AJE
IC34	8-759-529-76	s	IC TC74VHC595FT(EL)
IC35	8-759-196-96	s	IC TC7SH08FU-TE85R
L200	1-410-377-31	s	INDUCTOR, CHIP 4.7uH
L201	1-424-643-11	s	INDUCTOR 0uH
L202	1-424-643-11	s	INDUCTOR 0uH
L203	1-410-377-31	s	INDUCTOR, CHIP 4.7uH
Q1	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q2	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q3	8-729-041-24	s	TRANSISTOR NDS355AN
Q4	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q5	8-729-014-93	s	TRANSISTOR 2SB1440S-TX
Q6	8-729-117-73	s	TRANSISTOR 2SC4178-F14
Q7	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q8	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q9	8-729-117-73	s	TRANSISTOR 2SC4178-F14
Q10	8-729-041-23	s	TRANSISTOR NDS356AP
Q11	8-729-204-07	s	TRANSISTOR 3SK151-S
R1	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R2	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R3	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R4	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R5	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R6	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R7	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R9	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R10	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R14	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R15	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R18	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R19	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R20	1-216-864-11	s	METAL, CHIP 0 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP	Description
R21	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R24	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R25	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R26	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R27	1-218-734-11	s	METAL, CHIP 56K 5% 1/16W
R29	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R31	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R34	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R36	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R37	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R38	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R39	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R40	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R41	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R42	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R43	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R44	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R45	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R46	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R47	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R48	1-218-718-11	s	METAL, CHIP 12K 0.50% 1/16W
R49	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R50	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R51	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R52	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R53	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R54	1-218-710-91	s	METAL 5.6K 0.50% 1/16W
R55	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R56	1-218-722-11	s	METAL, CHIP 18K 0.50% 1/16W
R57	1-218-851-11	s	METAL, CHIP 1.5K 0.50% 1/16W
R59	1-218-678-11	s	METAL, CHIP 270 0.50% 1/16W
R60	1-218-678-11	s	METAL, CHIP 270 0.50% 1/16W
R61	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R62	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R63	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R64	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R65	1-216-617-11	s	METAL, CHIP 39 0.50% 1/10W
R66	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R67	1-216-617-11	s	METAL, CHIP 39 0.50% 1/10W
R68	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R69	1-218-706-11	s	METAL, CHIP 3.9K 0.50% 1/16W
R70	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R71	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R72	1-216-624-11	s	METAL, CHIP 75 0.50% 1/10W
R73	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R74	1-218-728-11	s	METAL, CHIP 33K 0.50% 1/16W
R75	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R76	1-216-623-11	s	METAL, CHIP 68 0.50% 1/10W
R77	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R78	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R79	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R80	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R81	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R82	1-218-752-11	s	METAL, CHIP 330K 0.50% 1/16W
R83	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R84	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R85	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R86	1-216-624-11	s	METAL, CHIP 75 0.50% 1/10W
R87	1-216-624-11	s	METAL, CHIP 75 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R90	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R91	1-218-724-11	s	METAL, CHIP 22K 5% 1/16W
R92	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R93	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
RB1	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB2	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB3	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB4	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB5	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB6	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB7	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB8	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB9	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB10	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB11	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB12	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB13	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB14	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB15	1-239-412-11	s	NETWORK RESISTOR (CHIP) 100
RB16	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB17	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB18	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB19	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB20	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RV1	1-241-260-11	s	RES, ADJ, METAL 500
S1	1-692-881-41	s	SWITCH, SLIDE

1-9. BKDW-703

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Note
*x': Serial No.10056 and higher (707 SY)
30011 and higher (707 J)
10106 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10091 and higher (790WS SY)
40121 and higher (707P)
40191 and higher (709WSP)
40336 and higher (790WSP)
*y': Serial No.10001 through 10055 (707 SY)
30001 through 30010 (707 J)
10001 through 10105 (709WS SY)
30001 through 30005 (709WS J/790WS J)
10001 through 10090 (790WS SY)
40001 through 40120 (707P)
40001 through 40190 (709WSP)
40001 through 40335 (790WSP)
*z': Serial No.10056 and higher (707 SY)
30011 and higher (707 J)
10116 and higher (709WS SY)
30006 and higher (709WS J/790WS J)
10106 and higher (790WS SY)
40121 and higher (707P)
40206 and higher (709WSP)
40391 and higher (790WSP)

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C6	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C8	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C10	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C11	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C12	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C13	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C15	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C16	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C24	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C25	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C26	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C28	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C30	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C32	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C33	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C34	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C36	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C37	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C38	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C40	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C41	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C42	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C43	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C44	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C45	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C46	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C47	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C49	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C50	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C51	1-164-230-11	s	CERAMIC 220PF 5% 50V
C52	1-164-230-11	s	CERAMIC 220PF 5% 50V
C54	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C55	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
C56	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
CN1	1-784-241-21	o	CONNECTOR, BOARD TO BOARD 30P
CN2	1-784-241-21	o	CONNECTOR, BOARD TO BOARD 30P
D1	8-719-820-41	s	DIODE 1SS302
IC1	8-759-524-18	s	IC TC74VHC163FT(EL)
IC2	8-759-523-94	s	IC TC74VHC32FT(EL)
IC3	8-759-523-81	s	IC TC74VHC08FT(EL)
IC4	8-759-524-52	s	IC TC74VHC574FT(EL)
IC5	8-759-531-92	s	IC TC7WH04FU(TE12R)
IC6	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC7	8-759-271-84	s	IC TC7SH02FU
IC8	8-759-523-81	s	IC TC74VHC08FT(EL)
IC9	8-759-523-79	s	IC TC74VHC02FT(EL)
IC10	8-759-531-92	s	IC TC7WH04FU(TE12R)
IC11	8-759-271-84	s	IC TC7SH02FU
IC12	8-759-524-08	s	IC TC74VHC139FT(EL)
IC13	8-759-196-96	s	IC TC7SH08FU-TE85R
IC14	8-759-196-97	s	IC TC7SH32FU-TE85R
IC15	8-759-271-84	s	IC TC7SH02FU
IC16	8-759-196-97	s	IC TC7SH32FU-TE85R
IC17	8-759-524-29	s	IC TC74VHC257FT(EL)
IC18	8-759-524-29	s	IC TC74VHC257FT(EL)
IC19	8-759-530-31	s	IC TC74VHC4040FT(EL)
IC20	8-759-530-31	s	IC TC74VHC4040FT(EL)
IC21	8-759-524-29	s	IC TC74VHC257FT(EL)
IC22	8-759-524-29	s	IC TC74VHC257FT(EL)
IC23	8-759-524-29	s	IC TC74VHC257FT(EL)
IC24	8-759-523-95	s	IC TC74VHC74FT(EL)
IC25	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC26	8-759-524-26	s	IC TC74VHC240FT(EL)
IC27	8-759-271-84	s	IC TC7SH02FU
IC28	8-759-524-48	s	IC TC74VHC393FT(EL)
IC29	8-759-196-97	s	IC TC7SH32FU-TE85R
IC30	8-759-529-76	s	IC TC74VHC595FT(EL)
IC31	8-759-529-76	s	IC TC74VHC595FT(EL)
IC32	8-759-196-93	s	IC TC7SH00FU-TE85R
IC33	8-759-196-96	s	IC TC7SH08FU-TE85R
IC34	8-759-524-18	s	IC TC74VHC163FT(EL)
IC35	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC36	8-759-529-76	s	IC TC74VHC595FT(EL)
IC37	8-752-386-51	s	IC CXD3122R
IC38	8-759-524-31	s	IC TC74VHC299FT(EL)
IC39	8-759-497-44	s	IC TC7WH125FU(TE12R)

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Ref. No. or Q'ty	Part No.	SP	Description
IC40	8-759-524-50	s	IC TC74VHC541FT(EL)
IC41	8-759-196-96	s	IC TC7SH08FU-TE85R
IC42	8-759-523-83	s	IC TC74VHC11FT(EL)
IC43	8-759-524-18	s	IC TC74VHC163FT(EL)
IC44	8-759-524-18	s	IC TC74VHC163FT(EL)
IC45	8-752-386-51	s	IC CXD3122R
IC46	8-759-524-25	o	IC TC7WH241FU(TE12R)
IC47	8-759-524-22	s	IC TC74VHC175FT(EL)
IC48	8-759-524-26	s	IC TC74VHC240FT(EL)
IC49	8-759-459-41	s	IC TMS4C2973-26DTR
IC50*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC50*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC51*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC51*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC52*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC52*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC53*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC53*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC54*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC54*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC55*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC55*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC56*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC56*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC57*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC57*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC58*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC58*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC59*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC59*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC60*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC60*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC61*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC61*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC62*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC62*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC63*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC63*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC64*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC64*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC65*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC65*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC66*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC66*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC67*x'	8-759-665-85	s	IC KM48V8104CS-L6T
IC67*y'	8-759-571-47	s	IC KM48V8104BS-L6T
IC68	8-759-524-22	s	IC TC74VHC175FT(EL)
IC69	8-759-277-63	s	IC TC7W14FU(TE12R)
IC70	8-759-524-52	s	IC TC74VHC574FT(EL)
IC71	8-759-524-52	s	IC TC74VHC574FT(EL)
IC72	8-759-524-52	s	IC TC74VHC574FT(EL)
IC73	8-759-524-52	s	IC TC74VHC574FT(EL)
IC74	8-759-271-86	s	IC TC7SH04FU
IC75	8-759-459-41	s	IC TMS4C2973-26DTR
IC76	8-759-530-31	s	IC TC74VHC4040FT(EL)
IC77	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC78	8-759-196-96	s	IC TC7SH08FU-TE85R
IC79	8-759-271-84	s	IC TC7SH02FU
IC80	8-759-524-52	s	IC TC74VHC574FT(EL)
IC81	8-759-524-52	s	IC TC74VHC574FT(EL)
IC82	8-759-524-52	s	IC TC74VHC574FT(EL)
IC83	8-759-524-52	s	IC TC74VHC574FT(EL)
IC84	8-759-196-96	s	IC TC7SH08FU-TE85R

(MY-93 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC85	8-759-524-09	s	IC TC74VHC153FT(EL)
IC86	8-759-523-94	s	IC TC74VHC32FT(EL)
IC87	8-759-196-97	s	IC TC7SH32FU-TE85R
IC88*z'	8-759-524-25	o	IC TC7WH241FU (TE12R)
R1	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R2	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R3	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R4	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R5	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R6	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R7	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R8	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R9	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R10	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R12	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R13	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R18	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R19	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R20	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R21	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
R23	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R24	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R25	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R46	1-218-682-11	s	METAL, CHIP 390 0.50% 1/16W
R128	1-218-678-11	s	METAL, CHIP 270 0.50% 1/16W
R129	1-218-668-11	s	METAL, CHIP 100 0.50% 1/16W
R130	1-218-678-11	s	METAL, CHIP 270 0.50% 1/16W
R131	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R141	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R142	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R147	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R150	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R151	1-218-652-11	s	METAL, CHIP 22 0.50% 1/16W
R154	1-218-676-11	s	METAL, CHIP 220 0.50% 1/16W
R174	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R176	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R177	1-218-692-11	s	METAL, CHIP 1K 0.50% 1/16W
R180	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R181	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R182	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R183	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
RB1	1-239-436-11	s	RESISTOR BLOCK, CHIP 33KX4
RB2	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB3	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB4	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB5	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB6	1-239-409-11	s	RESISTOR BLOCK, CHIP 47X4
RB7	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB9	1-239-436-11	s	RESISTOR BLOCK, CHIP 33KX4
RB10	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4

1-10. BKDW-704

FM-65 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
C1	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C2	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C3	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C4	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C5	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C6	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C7	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C9	1-162-915-11	s	CERAMIC, CHIP 10PF 50V
C17	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C29	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C30	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C101	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C102	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C104	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C201	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C204	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C301	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C302	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C304	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
CN1	1-779-393-11	o	CONNECTOR, BOARD TO BOARD 100P
IC1	8-759-524-18	s	IC TC74VHC163FT(EL)
IC2	8-759-524-18	s	IC TC74VHC163FT(EL)
IC3	8-759-524-18	s	IC TC74VHC163FT(EL)
IC4	8-759-524-18	s	IC TC74VHC163FT(EL)
IC5	8-759-524-18	s	IC TC74VHC163FT(EL)
IC6	8-759-524-18	s	IC TC74VHC163FT(EL)
IC7	8-759-523-96	s	IC TC74VHC86FT(EL)
IC8	8-759-523-96	s	IC TC74VHC86FT(EL)
IC9	8-759-524-22	s	IC TC74VHC175FT(EL)
IC10	8-759-531-92	s	IC TC7WH04FU(TE12R)
IC11	8-759-196-96	s	IC TC7SH08FU-TE85R
IC12	8-759-523-94	s	IC TC74VHC32FT(EL)
IC15	8-759-523-94	s	IC TC74VHC32FT(EL)
IC16	8-759-196-96	s	IC TC7SH08FU-TE85R
IC17	8-752-386-51	s	IC CXD3122R
IC18	8-759-523-95	s	IC TC74VHC74FT(EL)
IC19	8-759-524-29	s	IC TC74VHC257FT(EL)
IC20	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC23	8-759-524-29	s	IC TC74VHC257FT(EL)
IC24	8-759-523-95	s	IC TC74VHC74FT(EL)
IC28	8-759-523-96	s	IC TC74VHC86FT(EL)
IC30	8-759-529-76	s	IC TC74VHC595FT(EL)
IC32	8-759-524-52	s	IC TC74VHC574FT(EL)
IC33	8-759-524-52	s	IC TC74VHC574FT(EL)
IC34	8-759-524-52	s	IC TC74VHC574FT(EL)
IC35	8-759-524-52	s	IC TC74VHC574FT(EL)
IC36	8-759-524-52	s	IC TC74VHC574FT(EL)
IC37	8-759-524-51	s	IC TC74VHC573FT(EL)
IC38	8-759-524-51	s	IC TC74VHC573FT(EL)
IC39	8-759-524-51	s	IC TC74VHC573FT(EL)
IC40	8-759-524-51	s	IC TC74VHC573FT(EL)
IC41	8-759-524-51	s	IC TC74VHC573FT(EL)
IC42	8-759-524-52	s	IC TC74VHC574FT(EL)
IC101	8-759-541-30	s	IC KM416V4104BS-L6
IC102	8-759-541-30	s	IC KM416V4104BS-L6
IC201	8-759-541-30	s	IC KM416V4104BS-L6
IC202	8-759-541-30	s	IC KM416V4104BS-L6
IC301	8-759-541-30	s	IC KM416V4104BS-L6
IC302	8-759-541-30	s	IC KM416V4104BS-L6
R2	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R4	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R7	1-218-684-11	s	METAL, CHIP 470 0.50% 1/16W
R10	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R19	1-218-660-91	s	METAL, CHIP 47 0.50% 1/16W
R49	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R51	1-218-644-11	s	METAL, CHIP 10 0.50% 1/16W
R52	1-216-864-11	s	METAL, CHIP 0 5% 1/16W
RB1	1-239-436-11	s	RESISTOR BLOCK, CHIP 33KX4

Section 2
Semiconductor Pin Assignments

ここに記載されている半導体は，それぞれの機能を等価的に表したものです。　なお，互換性のない型名を併記していることがありますので，部品を交換するときは，Spare Partsの章を参照してください。
等価回路はICメーカーのデータブックに従いました。

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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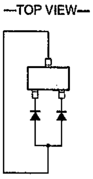
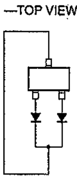
Diode, LED, Transistor

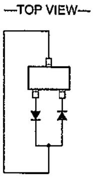
DIODE



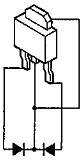
1S2835-T1
1S2836
1SS300-TE85L
DAP202U
DAP202UT106
HSM88WA
HSM88WA-TL
MA721WA-TX



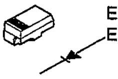
1S2837-T1
1SS184
1SS301-TE85L
DAN202U
DAN202UT106
MA141WK



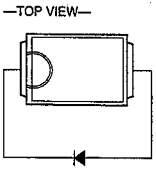
1SS123-T1
1SS226
1SS302
1SS302-TE85L
DA204U
DA204UT106
HSM107S
HSM107S-TL
HSM88AS-TL



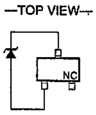
EA60QC06-TE16F2



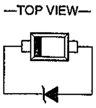
EC10QS-04
EC10QS04-TE12L5



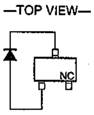
MBRS130LT3



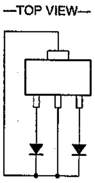
RD10M-B2
RD10M-T1B
RD15M-B1
RD15M-T1B1
RD2.4M-B
RD2.4M-T1B
RD4.3M-B
RD4.3M-T1B
RD6.2M-B
RD6.2M-T1B
RD6.8M-T1B



RD2.4UH-T1
RD3.0UH-T1
RD3.3UH(1)-T1
RD3.3UH-T1
RD4.3UH-T1

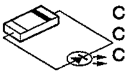


SB01-05CP
SB01-05CP-TB
SB01-15CP
SB01-15CP-TB
SB05-05CP
SB05-05CP-TB
SB07-03C
SB07-03C-TB

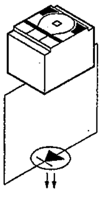


SB20-03P
SB20-03P-TD

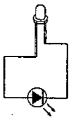
LED



CL-150R-CD
CL-150R-CD-T
CL-150UR-CD-T

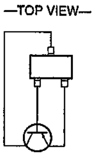


CL-200HR-C-TSL
CL-200HR-C-TUL

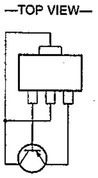


GL3UR8

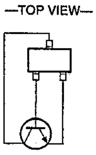
TRANSISTOR



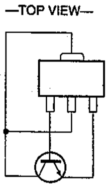
2SA1162G
2SA1226-E4
2SA1226-T1E3E4
2SA1330-06
2SA1330-T1O6
2SA1462
2SA1462-T1Y33Y34
2SA1610-T1Y34
2SA1610-Y33
2SA1611-M5M6
2SA1611T1-M5M6
2SA812-T1-M5M6
2SB624-BV345
2SB624-T1BV4



2SA1314C-TE12L
2SB1114-T1ZLZK
2SB1121-ST
2SB1440S-TX
2SB798-DL
2SB798-T1-DLDK

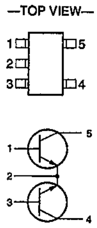


2SC1623
2SC1623-T1-L5L6
2SC2713-G
2SC2713G-TE85L
2SC3356-K
2SC3356-T1K
2SC3360-N16
2SC3360-T1N16
2SC3735-L-B35
2SC3735-T1B-B34
2SC4116-YG
2SC4116YG-TE85L
2SC4176-B34
2SC4176-B35
2SC4176-T1B35
2SC4176T1B33B34B35
2SC4177-L6
2SC4177-T1L5L6
2SC4178-F13F14-T1
2SC4178-F14
2SC4213-AB-TE85L
2SC4213-B
2SC4213B-TE85L
2SD596DV345
2SD596T1-DV345

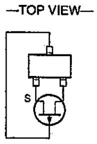


2SC2982C-TE12L
2SD1614-T1XL
2SD1624-T
2SD1624-T-TD

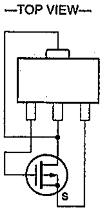
Transistor


—TOP VIEW—
1
2
3
5
4

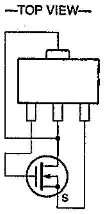
2SC4207-YGRTE85L



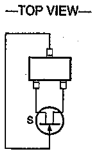
2SJ106-Y
2SJ106Y-TE85L



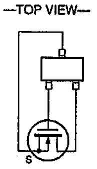
2SJ187
2SJ187-TD
2SJ244JY-TL



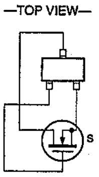
2SK1579DY-TL



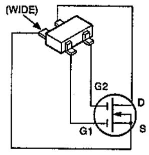
2SK208-GR-TE85L
2SK508-T1K53
2SK711-BL
2SK711-BL/V-TE85L
2SK852-T1X2
2SK852-X2
2SK853-K5
2SK853-T1K5
2SK94-T1X2
2SK94-X4



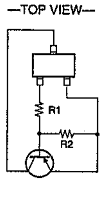
2SK536-TB



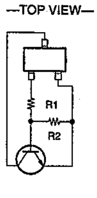
2SK620
2SK620-TX
NDS355AN


(WIDE)
G2
D
G1
S

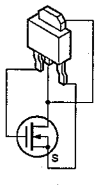
3SK151-S
3SK151S-TE85L


—TOP VIEW—
R1
R2

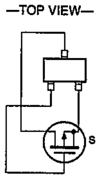
DTA144EKA-T146
(R1=47k,R2=47k)
DTA144EUA-T106
(R1=47k,R2=47k)
DTA144WKA-T146
(R1=47k,R2=22k)
DTB143EK
(R1=4.7k,R2=4.7k)
DTB143EK-T-146


—TOP VIEW—
R1
R2

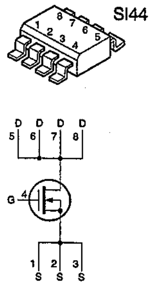
DTC114TKA-T146
(R1=10k,R2=OPEN)
DTC144EKA
(R1=47k,R2=47k)
DTC144EKA-T146
DTC144EUA-T106
(R1=47k,R2=47k)
DTC144EUT106
DTD143EK
(R1=4.7k,R2=4.7k)
DTD143EK-T-146



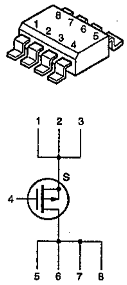
MTD20N03HDL
MTD20N03HDL-T4



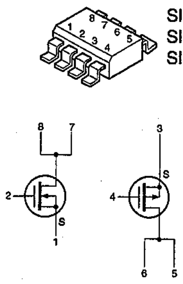
NDS356AP


8 7 6 5
1 2 3 4
D D D D
5 6 7 8
G 4
1 2 3
S S S

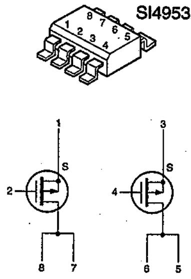
SI4410DY-T1-REVA


8 7 6 5
1 2 3 4
1 2 3
S
4
5 6 7 8

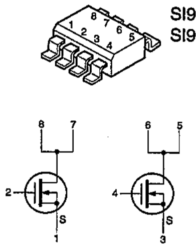
SI4435DY-T1-REVA
SI9435DY-T1


8 7 6 5
1 2 3 4
8 7
2
S
1
3
S
4
6 5

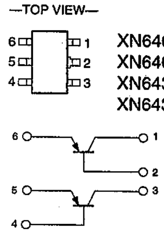
SI4532DY-T1
SI9958DY
SI9958DY-T1


8 7 6 5
1 2 3 4
1
S
2
8 7
3
S
4
6 5

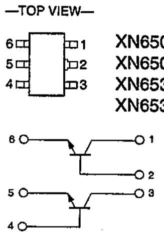
SI4953DY-T1


8 7 6 5
1 2 3 4
8 7
2
S
1
6 5
4
S
3

SI9936DY
SI9936DY-T1


—TOP VIEW—
6 1
5 2
4 3
6 1
2
5 3
4

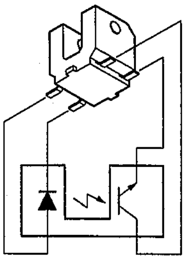
XN6401
XN6401-TW
XN6435
XN6435-TW


—TOP VIEW—
6 1
5 2
4 3
6 1
2
5 3
4

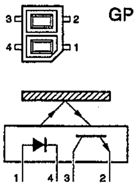
XN6501
XN6501-TW
XN6534
XN6534-TW

Others, IC

OTHERS

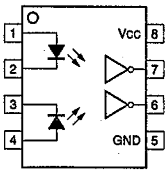


GP1S33



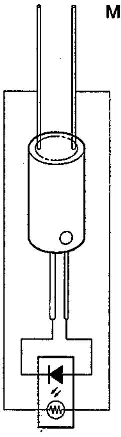
GP2S07B

—TOP VIEW—



HCPL-0630-500

1
2
3
4
Vcc
8
7
6
GND
5

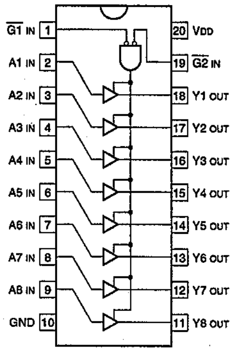


M-30

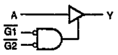
IC

74LCX541MTCX (NS)
SN74HCT541APW-E05 (TI)
TC74VHC541FT(EL) (TOSHIBA)
TC74VHCT541AFT(EL) (TOSHIBA)

OCTAL BUS BUFFER WITH 3-STATE OUTPUTS
—TOP VIEW—



$\overline{G1}$ IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
A5 IN 6
A6 IN 7
A7 IN 8
A8 IN 9
GND 10
20 VDD
19 $\overline{G2}$ IN
18 Y1 OUT
17 Y2 OUT
16 Y3 OUT
15 Y4 OUT
14 Y5 OUT
13 Y6 OUT
12 Y7 OUT
11 Y8 OUT



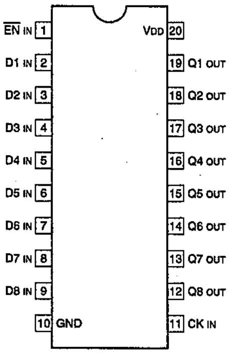
A
Y
$\overline{G1}$
$\overline{G2}$

G1	G2	A	Y
0	0	0	0
0	0	1	1
1	x	x	HI-Z
x	1	x	HI-Z

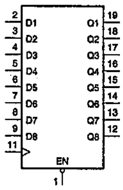
0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
HI-Z : HIGH IMPEDANCE

74LCX574MTCX (NS)
SN74HC574APW-E05
SN74HC574APW-E20 (TI)
TC74VHC574FT(EL) (TOSHIBA)

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP
—TOP VIEW—



$\overline{EN}$ IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
D8 IN 9
10 GND
VDD 20
19 Q1 OUT
18 Q2 OUT
17 Q3 OUT
16 Q4 OUT
15 Q5 OUT
14 Q6 OUT
13 Q7 OUT
12 Q8 OUT
11 CK IN

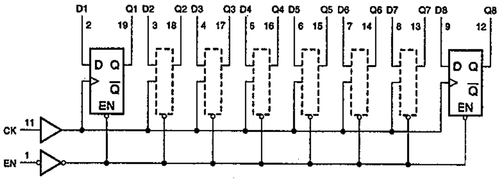


2 D1
3 D2
4 D3
5 D4
6 D5
7 D6
8 D7
9 D8
11
Q1 19
Q2 18
Q3 17
Q4 16
Q5 15
Q6 14
Q7 13
Q8 12
EN
1

EACH FLIP-FLOP

INPUTS			OUT
EN	CK	D	Q
0	↑	1	1
0	↑	0	0
0	↓	x	Qo
1	x	x	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
HI-Z : HIGH IMPEDANCE
Qo : NONSTABLE

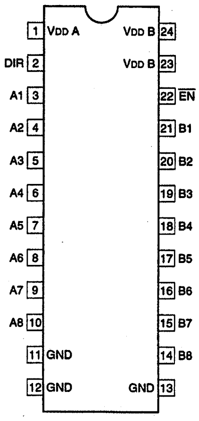


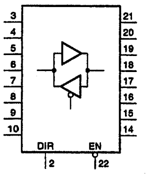
D1
Q1
D2
Q2
D3
Q3
D4
Q4
D5
Q5
D6
Q6
D7
Q7
D8
Q8
2
19
3
18
4
17
5
16
6
15
7
14
8
13
9
12
D Q
Q
EN
CK 11
EN 1

74LVX4245QSCX (NS)

C-MOS 8-BIT DUAL SUPPLY VOLTAGE TRANSLATING TRANSCEIVER

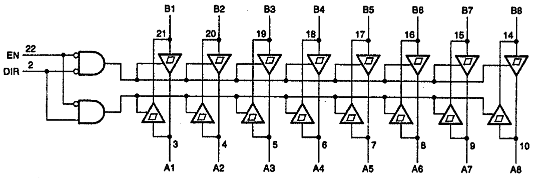
—TOP VIEW—


1 VDD A
2 DIR
3 A1
4 A2
5 A3
6 A4
7 A5
8 A6
9 A7
10 A8
11 GND
12 GND
24 VDD B
23 VDD B
22 EN
21 B1
20 B2
19 B3
18 B4
17 B5
16 B6
15 B7
14 B8
13 GND


3
4
5
6
7
8
9
10
21
20
19
18
17
16
15
14
DIR
EN
2
22

$\overline{\text{EN}}$	DIR	OUTPUT
0	0	B TO A
0	1	A TO B
1	x	HI-Z

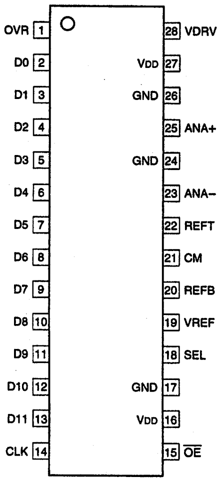
0 : LOW LEVEL
1 : HIGH LEVEL
HI-Z : HIGH IMPEDANCE
x : DON'T CARE

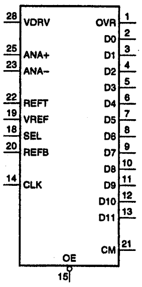

EN 22
DIR 2
B1 B2 B3 B4 B5 B6 B7 B8
21 20 19 18 17 16 15 14
3 4 5 6 7 8 9 10
A1 A2 A3 A4 A5 A6 A7 A8

ADS805E-T2 (BURR-BROWN)

C-MOS 12-BIT A/D CONVERTER

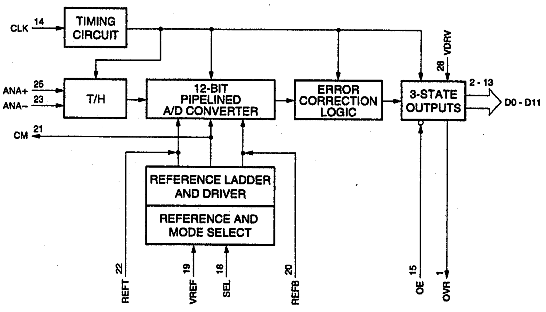
—TOP VIEW—


OVR 1
D0 2
D1 3
D2 4
D3 5
D4 6
D5 7
D6 8
D7 9
D8 10
D9 11
D10 12
D11 13
CLK 14
28 VDRV
27 VDD
26 GND
25 ANA+
24 GND
23 ANA−
22 REFT
21 CM
20 REFB
19 VREF
18 SEL
17 GND
16 VDD
15 OE


28 VDRV
25 ANA+
23 ANA−
22 REFT
19 VREF
18 SEL
20 REFB
14 CLK
OVR 1
D0 2
D1 3
D2 4
D3 5
D4 6
D5 7
D6 8
D7 9
D8 10
D9 11
D10 12
D11 13
CM 21
OE
15

INPUT
ANA+ : ANALOG (+)
ANA− : COMPLEMENTARY ANALOG
CLK : CONVERT CLOCK
$\overline{\text{OE}}$: OUTPUT ENABLE
REFB : BOTTOM REFERENCE VOLTAGE
REFT : TOP REFERENCE VOLTAGE
SEL : INPUT RANGE SELECT
VDRV : OUTPUT DRIVER VOLTAGE
VREF : REFERENCE VOLTAGE SELECT

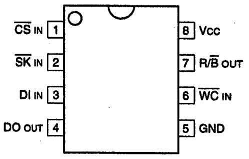
OUTPUT
CM : COMMON MODE VOLTAGE
D0 - D11 : DATA BIT
OVR : OVER RANGE INDICATOR


CLK 14
TIMING CIRCUIT
ANA+ 25
ANA− 23
T/H
12-BIT PIPELINED A/D CONVERTER
ERROR CORRECTION LOGIC
3-STATE OUTPUTS
28 VDRV
2 - 13
D0 - D11
CM 21
REFERENCE LADDER AND DRIVER
REFERENCE AND MODE SELECT
22 REFT
19 VREF
18 SEL
20 REFB
15 OE
1 OVR

BR9020 (ROHM)
BR9020F-E2 (ROHM)

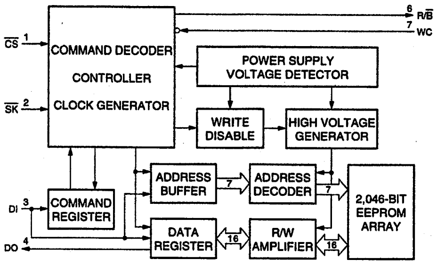
2K (128×16)-BIT SERIAL EEPROM

—TOP VIEW—


CS IN 1
SK IN 2
DI IN 3
DO OUT 4
8 Vcc
7 R/B OUT
6 WC IN
5 GND

INPUTS
$\overline{\text{CS}}$: CHIP SELECT
DI : OPERAND CODE, ADDRESS, AND SREIAL DATA
$\overline{\text{SK}}$: SERIAL DATA CLOCK
$\overline{\text{WC}}$: WRITE CONTROL

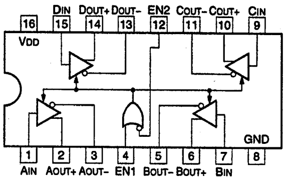
OUTPUTS
DO : SERIAL DATA
R/$\overline{\text{B}}$: READY/$\overline{\text{BUSY}}$ STATUS SIGNAL


CS 1
SK 2
DI 3
DO 4
6 R/B
7 WC
COMMAND DECODER
CONTROLLER
CLOCK GENERATOR
POWER SUPPLY VOLTAGE DETECTOR
WRITE DISABLE
HIGH VOLTAGE GENERATOR
COMMAND REGISTER
ADDRESS BUFFER
ADDRESS DECODER
DATA REGISTER
R/W AMPLIFIER
2,046-BIT EEPROM ARRAY
7
7
16
16

AM26C31CDB-E05 (TI)

C-MOS QUAD DIFFERENTIAL LINE DRIVER

—TOP VIEW—


DIN DOUT+ DOUT− EN2 COUT− COUT+ CIN
16 15 14 13 12 11 10 9
VDD
GND
1 2 3 4 5 6 7 8
AIN AOUT+ AOUT− EN1 BOUT− BOUT+ BIN

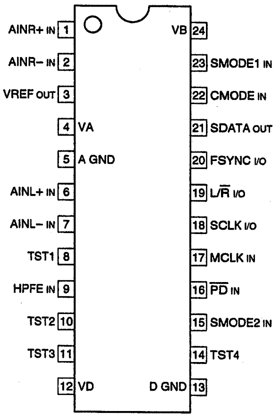
INPUTS			OUTPUTS	
EN2	EN1	IN	+	−
1	0	×	HI-Z	HI-Z
ALL OTHER COMBINATIONS OF ENABLE INPUTS		L	L	H
		H	H	L

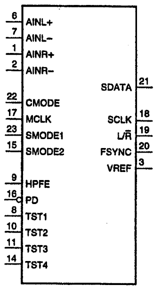
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

AK5352-VF-E2 (ASAHI)

C-MOS 20-BIT A/D CONVERTER

—TOP VIEW—


AINR+ IN 1
AINR– IN 2
VREF OUT 3
4 VA
5 A GND
AINL+ IN 6
AINL– IN 7
TST1 8
HPFE IN 9
TST2 10
TST3 11
12 VD
VB 24
23 SMODE1 IN
22 CMODE IN
21 SDATA OUT
20 FSYNC I/O
19 L/R̄ I/O
18 SCLK I/O
17 MCLK IN
16 P̄D̄ IN
15 SMODE2 IN
14 TST4
D GND 13


6 AINL+
7 AINL–
1 AINR+
2 AINR–
22 CMODE
17 MCLK
23 SMODE1
15 SMODE2
9 HPFE
16 PD
8 TST1
10 TST2
11 TST3
14 TST4
SDATA 21
SCLK 18
L/R̄ 19
FSYNC 20
VREF 3

INPUT

AINL+ : CHANNEL L ANALOG POSITIVE INPUT
AINL– : CHANNEL L ANALOG NEGATIVE INPUT
AINR+ : CHANNEL R ANALOG POSITIVE INPUT
AINR– : CHANNEL R ANALOG NEGATIVE INPUT
CMODE : MASTER CLOCK SELECT
(L : MCLK = 256 fs)
(H : MCLK = 384 fs)
HPFE : HIGH PASS FILTER ENABLE
(L : OFF)
(H : ON)
MCLK : MASTER CLOCK
(CMODE = H : 384 fs)
(CMODE = L : 256 fs)
P̄D̄ : POWER DOWN
(L : POWER DOWN MODE)
SMODE1, SMODE2 : INTERFACE CLOCK SELECT

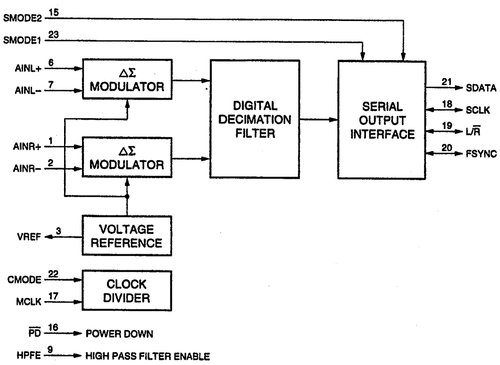
SMODE1	SMODE2	MODE	LRCK
L	L	SUB MODE	H/L
H	L	MASTER MODE	H/L
L	H	SUB MODE	L/H
H	H	MASTER MODE	L/H

OUTPUT

SDATA : SERIAL DATA
VREF : REFERENCE VOLTAGE

INPUT/OUTPUT

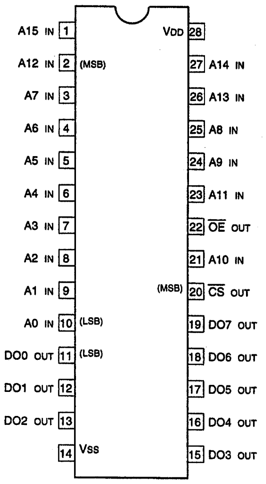
FSYNC : FRAME SYNC CLOCK
L/R̄ : INPUT CHANNEL SELECT
(SUB MODE : fs CLK INPUT)
(MASTER MODE : fs CLK OUTPUT)
SCLK : SERIAL DATA CLOCK
(SUB MODE : 64 fs CLK INPUT)
(MASTER MODE : 64 fs CLK OUTPUT)

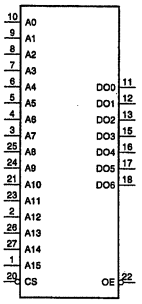

SMODE2 15
SMODE1 23
AINL+ 6
AINL– 7
ΔΣ MODULATOR
AINR+ 1
AINR– 2
ΔΣ MODULATOR
DIGITAL DECIMATION FILTER
SERIAL OUTPUT INTERFACE
21 SDATA
18 SCLK
19 L/R̄
20 FSYNC
VREF 3
VOLTAGE REFERENCE
CMODE 22
MCLK 17
CLOCK DIVIDER
P̄D̄ 16 POWER DOWN
HPFE 9 HIGH PASS FILTER ENABLE

AT27C512R-15RC (ATMEL)

C-MOS 512 K (65,536 × 8) UV-EPROM

—TOP VIEW—


A15 IN 1
A12 IN 2 (MSB)
A7 IN 3
A6 IN 4
A5 IN 5
A4 IN 6
A3 IN 7
A2 IN 8
A1 IN 9
A0 IN 10 (LSB)
DO0 OUT 11 (LSB)
DO1 OUT 12
DO2 OUT 13
14 VSS
VDD 28
27 A14 IN
26 A13 IN
25 A8 IN
24 A9 IN
23 A11 IN
22 Ō̄Ē OUT
21 A10 IN
(MSB) 20 C̄S̄ OUT
19 DO7 OUT
18 DO6 OUT
17 DO5 OUT
16 DO4 OUT
15 DO3 OUT


10 A0
9 A1
8 A2
7 A3
6 A4
5 A5
4 A6
3 A7
25 A8
24 A9
21 A10
23 A11
2 A12
26 A13
27 A14
1 A15
20 CS
DO0 11
DO1 12
DO2 13
DO3 15
DO4 16
DO5 17
DO6 18
OE 22

INPUT		DO	OPERATION
C̄S̄	Ō̄Ē		
1	×	HIGH-Z	STAND BY
0	1	HIGH-Z	OPERATING
0	0	DO	OPERATING

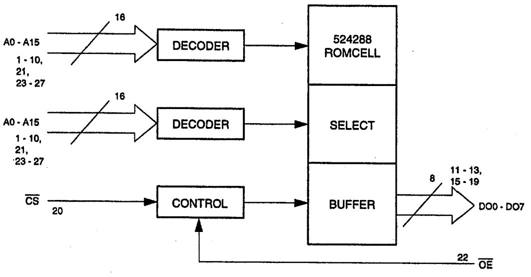
0 : LOW LEVEL
1 : HIGH LEVEL
× : LOW OR HIGH LEVEL

INPUT

A0 - A15 : ADDRESS INPUTS
C̄S̄ : CHIP SELECT

OUTPUT

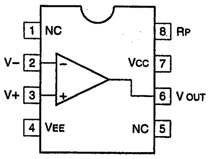
DO0 - DO7 : DATA OUTPUTS
Ō̄Ē : OUTPUT ENABLE


16
A0 - A15
1 - 10, 21, 23 - 27
DECODER
16
A0 - A15
1 - 10, 21, 23 - 27
DECODER
C̄S̄ 20
CONTROL
524288 ROMCELL
SELECT
BUFFER
8
11 - 13, 15 - 19
DO0 - DO7
22 Ō̄Ē

CLC505AJE (COMLINEAR)
CLC505AJE-T

OPERATIONAL AMPLIFIER

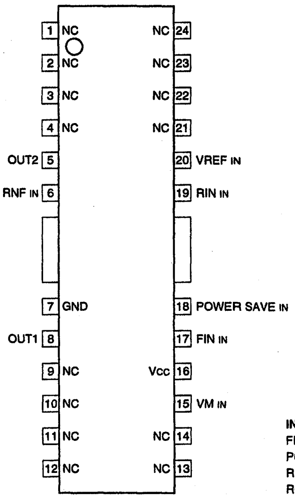
—TOP VIEW—

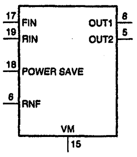

1 NC
V– 2
V+ 3
4 VEE
8 RP
7 VCC
6 V OUT
NC 5
–
+

BA6285FP-E2 (ROHM)

BIPOLA POSSIBLE REVERSE MOTOR DRIVER

—TOP VIEW—


1 NC
2 NC
3 NC
4 NC
OUT2 5
RNF IN 6
7 GND
OUT1 8
9 NC
10 NC
11 NC
12 NC
NC 24
NC 23
NC 22
NC 21
20 VREF IN
19 RIN IN
18 POWER SAVE IN
17 FIN IN
Vcc 16
15 VM IN
NC 14
NC 13


17 FIN
19 RIN
18 POWER SAVE
6 RNF
OUT1 8
OUT2 5
VM 15

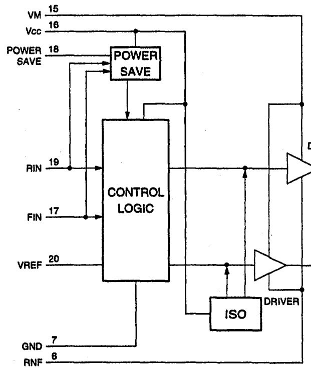
FIN	RIN	OUT2	OUT1	MODE
H	L	L	H	NORMAL MODE
L	H	H	L	REVERSE MODE
H	H	L	L	BRAKE MODE
L	L	OPEN	OPEN	STAND BY MODE

INPUT

FIN	:	MODE SELECTION
POWER SAVE	:	POWER SAVE SWITCH
RIN	:	MODE SELECTION
RNF	:	OUTPUT BLOCK GROUND OUTPUT CURRENT DETECTION RESISTOR CONNECTION
VREF	:	REFERENCE VOLTAGE SETTING
VM	:	POWER SUPPLY FOR MOTOR

OUTPUT

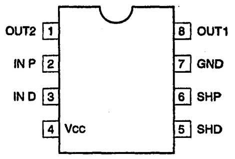
OUT1, OUT2	:	MOTOR DRIVE SIGNAL

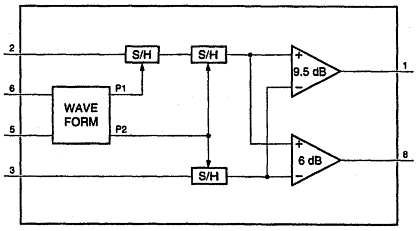

VM 15
Vcc 16
POWER SAVE 18
POWER SAVE
RIN 19
FIN 17
VREF 20
CONTROL LOGIC
DRIVER
8 OUT1
5 OUT2
ISO
DRIVER
GND 7
RNF 6

CXA1439M (SONY)
CXA1439M-TH

CORRELATED DOUBLE SAMPLING

—TOP VIEW—

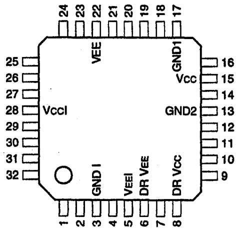

OUT2 1
IN P 2
IN D 3
4 Vcc
8 OUT1
7 GND
6 SHP
5 SHD


2
6
5
3
S/H
S/H
S/H
WAVE FORM
P1
P2
9.5 dB
6 dB
1
8

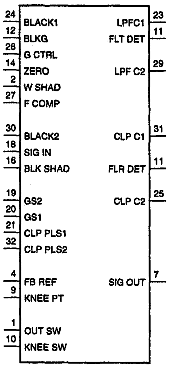
CXA1486Q-TH (SONY)

VIDEO AMPLIFIER FOR VIDEO CAMERA

—TOP VIEW—


24 23 22 21 20 19 18 17
VEE
GND1
Vcc
25 26 27 28 29 30 31 32
VccI
GND2
16 15 14 13 12 11 10 9
GND I
VEEI
DR VEE
DR Vcc
1 2 3 4 5 6 7 8

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	OUT SW	17	—	GND1
2	I	W SHAD	18	I	SIG IN
3	—	GND I	19	I	GS2
4	I	FB REF	20	I	GS1
5	—	VEEI	21	I	CLP PLS1
6	—	DR VEE	22	—	VEE
7	O	SIG OUT	23	O	LPF C1
8	—	DR Vcc	24	I	BLACK1
9	I	KNEE PT	25	O	CLP C2
10	I	KNEE SW	26	I	G CTRL
11	O	FLR DET	27	I	F COMP
12	I	BLKG	28	—	VccI
13	—	GND2	29	O	LPF C2
14	I	ZERO	30	I	BLACK2
15	—	Vcc	31	O	CLP C1
16	I	BLK SHAD	32	I	CLP PLS2

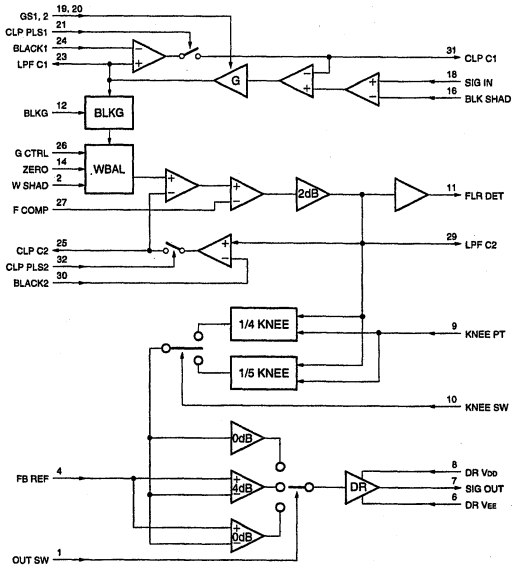

24 BLACK1
12 BLKG
26 G CTRL
14 ZERO
2 W SHAD
27 F COMP
30 BLACK2
18 SIG IN
16 BLK SHAD
19 GS2
20 GS1
21 CLP PLS1
32 CLP PLS2
4 FB REF
9 KNEE PT
1 OUT SW
10 KNEE SW
LPFC1 23
FLT DET 11
LPF C2 29
CLP C1 31
FLR DET 11
CLP C2 25
SIG OUT 7

INPUT

BLACK1, 2	:	FOR CLAMP DC COMPENSATION
BLKG	:	BLANKING SIGNAL
BLK SHAD	:	BLACK SHADING CORRECTION SIGNAL
CLP PLS1, 2	:	CLAMP PULSE
F COMP	:	FLARE COMPENSATION SIGNAL
FB REF	:	OUTPUT 2 INVERT AMPLIFY DC ADJUST
G CTRL	:	WHITE BALANCE GAIN CONTROL
GS1, 2	:	GAIN SELECT
KNEE PT	:	KNEE POINT
KNEE SW	:	1/4, 1/5 KNEE SELECT (4.5 V = 1/4 KNEE, 0 V = 1/5 KNEE)
OUT SW	:	OUTPUT 3 AMPLIFY SELECT
SIG IN	:	SIGNAL INPUT
W SHAD	:	WHITE SHADING SIGNAL
ZERO	:	VARIABLE GAIN AMPLIFY ZERO POINT ADJUST

OUTPUT

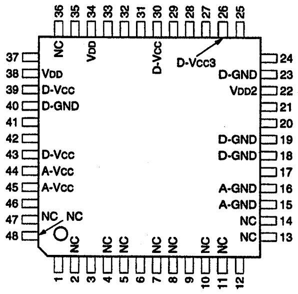
CLP C1, C2	:	FOR CLAMP CAPACITANCE
FLR DET	:	FLARE DETECT
LPF C1, C2	:	CONNECT CAPACITANCE FOR LPF
SIG OUT	:	SIGNAL OUTPUT

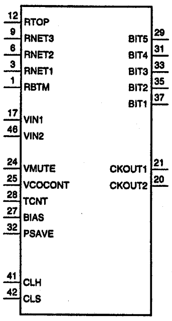

GS1, 2 19, 20
CLP PLS1 21
BLACK1 24
LPF C1 23
31 CLP C1
18 SIG IN
16 BLK SHAD
G
BLKG 12
BLKG
G CTRL 26
ZERO 14
W SHAD 2
F COMP 27
WBAL
2dB
11 FLR DET
CLP C2 25
CLP PLS2 32
BLACK2 30
29 LPF C2
1/4 KNEE
1/5 KNEE
9 KNEE PT
10 KNEE SW
0dB
4dB
0dB
FB REF 4
DR
8 DR VDD
7 SIG OUT
6 DR VEE
OUT SW 1

CXA3051R (SONY)

5-BIT A/D CONVERTER AND VCO

—TOP VIEW—


36
35
34
33
32
31
30
29
28
27
26
25
NC
VDD
D-Vcc
D-Vcc3
37
38 VDD
39 D-Vcc
40 D-GND
41
42
43 D-Vcc
44 A-Vcc
45 A-Vcc
46
47 NC NC
48
D-GND 24
D-GND 23
VDD2 22
21
20
D-GND 19
D-GND 18
17
A-GND 16
A-GND 15
NC 14
NC 13
NC
NC
NC
NC
NC
NC
NC
1
2
3
4
5
6
7
8
9
10
11
12


12 RTOP
9 RNET3
6 RNET2
3 RNET1
1 RBTM
17 VIN1
46 VIN2
24 VMUTE
25 VCOCONT
28 TCNT
27 BIAS
32 PSAVE
41 CLH
42 CLS
BIT5 29
BIT4 31
BIT3 33
BIT2 35
BIT1 37
CKOUT1 21
CKOUT2 20

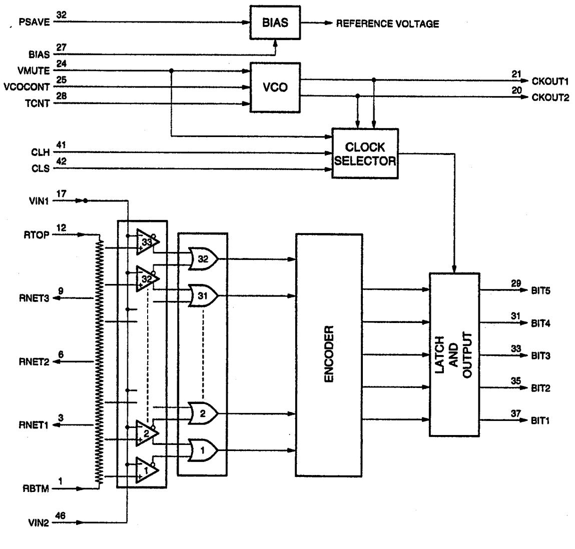
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	RBTM	13	—	NC	25	I	VCOCONT	37	O	BIT1(LSB)
2	—	NC	14	—	NC	26	—	D-Vcc3	38	—	VDD
3	O	RNET1	15	—	A-GND	27	I	BIAS	39	—	D-Vcc
4	—	NC	16	—	A-GND	28	I	TCNT	40	—	D-GND
5	—	NC	17	I	VIN1	29	O	BIT5(MSB)	41	I	CLH
6	O	RNET2	18	—	D-GND	30	—	D-Vcc2	42	I	CLS
7	—	NC	19	—	D-GND	31	O	BIT4	43	—	D-Vcc
8	—	NC	20	O	CKOUT2	32	I	PSAVE	44	—	A-Vcc
9	O	RNET3	21	O	CKOUT1	33	O	BIT3	45	—	A-Vcc
10	—	NC	22	—	VDD2	34	—	VDD	46	I	VIN2
11	—	NC	23	—	D-GND	35	O	BIT2	47	—	NC
12	I	RTOP	24	I	VMUTE	36	—	NC	48	—	NC

INPUT

BIAS	; BIAS VOLTAGE
CLH	; EXTERNAL CLOCK
CLS	; EXTERNAL CLOCK
PSAVE	; POWER SAVE (H : POWER SAVE MODE)
RBTM	; LEAST SIGNIFICANT VOLTAGE
RTOP	; MOST SIGNIFICANT VOLTAGE
TCNT	; TEMPERATURE CONTROL FOR VCO
VCOCONT	; VCO FREQUENCY CONTROL
VIN1, VIN2	; ANALOG VOLTAGE
VMUTE	; CLOCK SELECT (H : EXTERNAL, L : INTERNAL VCO)

OUTPUT

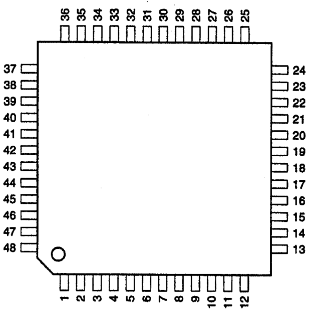
BIT1 - BIT5	; A/D
CKOUT1, CKOUT2	; VCO CLOCK
RNET1 - RNET3	; INTERMEDIATE VOLTAGE


PSAVE 32
BIAS
REFERENCE VOLTAGE
BIAS 27
VMUTE 24
VCOCONT 25
TCNT 28
VCO
21 CKOUT1
20 CKOUT2
CLOCK SELECTOR
CLH 41
CLS 42
VIN1 17
RTOP 12
RNET3 9
RNET2 6
RNET1 3
RBTM 1
VIN2 46
33
32
31
2
1
ENCODER
LATCH AND OUTPUT
29 BIT5
31 BIT4
33 BIT3
35 BIT2
37 BIT1

CXA3229R (SONY)

PLL FOR DIGITAL VTR

—TOP VIEW—


36
35
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16
15
14
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7
8
9
10
11
12

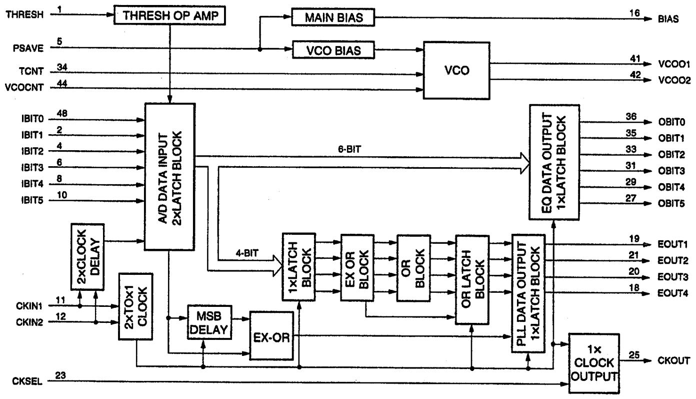
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	THRESH	13	—	GND	25	O	CKOUT1	37	—	Vcc
2	I	IBIT1	14	—	Vcc	26	—	Vcc	38	—	Vcc
3	—	GND	15	—	Vcc	27	O	OBIT5	39	—	Vcc
4	I	IBIT2	16	O	BIAS	28	—	Vcc	40	—	GND
5	I	PSAVE	17	—	GND	29	O	OBIT4	41	O	VCOO1
6	I	IBIT3	18	O	EOUT4	30	—	Vcc	42	O	VCOO2
7	—	GND	19	O	EOUT1	31	O	OBIT3	43	—	GND
8	I	IBIT4	20	O	EOUT3	32	—	Vcc	44	I	VCOCNT
9	—	GND	21	O	EOUT2	33	O	OBIT2	45	—	Vcc
10	I	IBIT5	22	—	GND	34	I	TCNT	46	—	Vcc
11	I	CKIN1	23	I	CKSEL	35	O	OBIT1	47	—	Vcc
12	I	CKIN2	24	—	Vcc	36	O	OBIT0	48	I	IBIT0

INPUTS

CKIN1, CKIN2	: CLOCK
CKSEL	: CKOUT1 INVERT/NONINVERT CONTROL
IBIT0 - IBIT5	: DATA
PSAVE	: POWER SAVE
TCNT	: VCO TEMPERATURE CHARACTERISTICS CONTROL
THRESH	: THRESHOLD CONTROL (NORMALLY OPEN)
VCOCNT	: VCO FREQUENCY CONTROL

OUTPUTS

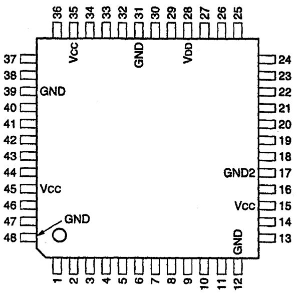
BIAS	: INTERNAL VOLTAGE REFERENCE (NORMALLY OPEN)
CKOUT1	: CLOCK
EOUT1 - EOUT4	: PHASE ERROR
OBIT0 - OBIT5	: DATA
VCOO1, VCOO2	: VOLTAGE CONTROLLED OSCILLATOR

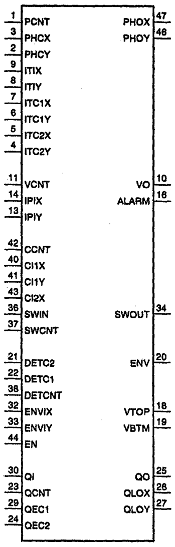

THRESH 1
THRESH OP AMP
MAIN BIAS
16 BIAS
PSAVE 5
VCO BIAS
TCNT 34
VCOCNT 44
VCO
41 VCOO1
42 VCOO2
IBIT0 48
IBIT1 2
IBIT2 4
IBIT3 6
IBIT4 8
IBIT5 10
A/D DATA INPUT 2xLATCH BLOCK
6-BIT
EQ DATA OUTPUT 1xLATCH BLOCK
36 OBIT0
35 OBIT1
33 OBIT2
31 OBIT3
29 OBIT4
27 OBIT5
2xCLOCK DELAY
4-BIT
1xLATCH BLOCK
EX OR BLOCK
OR BLOCK
OR LATCH BLOCK
PLL DATA OUTPUT 1xLATCH BLOCK
19 EOUT1
21 EOUT2
20 EOUT3
18 EOUT4
CKIN1 11
CKIN2 12
2xTOx1 CLOCK
MSB DELAY
EX-OR
1x CLOCK OUTPUT
25 CKOUT
CKSEL 23

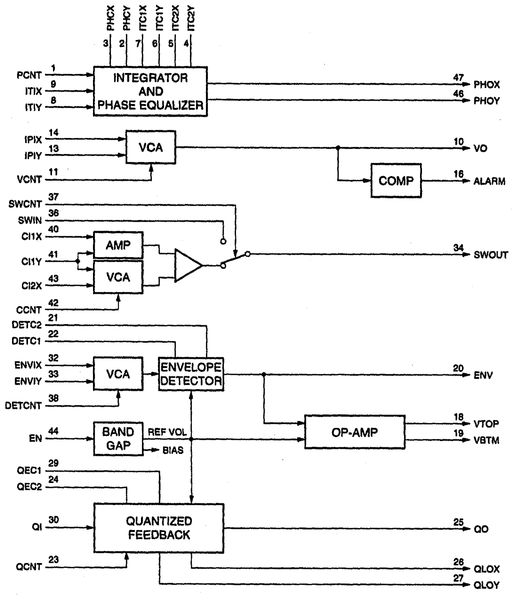
CXA3053R (SONY)

PHASE EQUALIZER AND QUANTIZED FEED-BACK (QFB) CIRCUIT

—TOP VIEW—


36 35 34 33 32 31 30 29 28 27 26 25
Vcc
GND
VDD
37
38
39 GND
40
41
42
43
44
45 Vcc
46
47 GND
48
24
23
22
21
20
19
18
GND2 17
16
Vcc 15
14
GND 13
1 2 3 4 5 6 7 8 9 10 11 12


1 PCNT
3 PHCX
2 PHCY
9 ITIX
8 ITIY
7 ITC1X
6 ITC1Y
5 ITC2X
4 ITC2Y
11 VCNT
14 IPIX
13 IPIY
42 CCNT
40 CI1X
41 CI1Y
43 CI2X
36 SWIN
37 SWCNT
21 DETC2
22 DETC1
38 DETCNT
32 ENVIX
33 ENVIY
44 EN
30 QI
23 QCNT
29 QEC1
24 QEC2
PHOX 47
PHOY 46
VO 10
ALARM 16
SWOUT 34
ENV 20
VTOP 18
VBTM 19
QO 25
QLOX 26
QLOY 27


PHCX
PHCY
ITC1X
ITC1Y
ITC2X
ITC2Y
3 2 7 6 5 4
PCNT 1
ITIX 9
ITIY 8
INTEGRATOR AND PHASE EQUALIZER
47 PHOX
46 PHOY
IPIX 14
IPIY 13
VCA
10 VO
VCNT 11
COMP
16 ALARM
SWCNT 37
SWIN 36
CI1X 40
AMP
CI1Y 41
VCA
CI2X 43
34 SWOUT
CCNT 42
DETC2 21
DETC1 22
ENVIX 32
ENVIY 33
VCA
ENVELOPE DETECTOR
20 ENV
DETCNT 38
EN 44
BAND GAP
REF VOL
BIAS
OP-AMP
18 VTOP
19 VBTM
QEC1 29
QEC2 24
QI 30
QUANTIZED FEEDBACK
25 QO
QCNT 23
26 QLOX
27 QLOY

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	PCNT	25	O	QO
2	I	PHCY	26	O	QLOX
3	I	PHCX	27	O	QLOY
4	I	ITC2Y	28	—	VDD
5	I	ITC2X	29	I	QEC1
6	I	ITC1Y	30	I	QI
7	I	ITC1X	31	—	GND
8	I	ITIY	32	I	ENVIX
9	I	ITIX	33	I	ENVIY
10	O	VO	34	O	SWOUT
11	I	VCNT	35	—	Vcc
12	—	GND	36	I	SWIN
13	I	IPIY	37	I	SWCNT
14	I	IPIX	38	I	DETCNT
15	—	Vcc	39	—	GND
16	O	ALARM	40	I	CI1X
17	—	GND2	41	I	CI1Y
18	O	VTOP	42	I	CCNT
19	O	VBTM	43	I	CI2X
20	O	ENV	44	I	EN
21	I	DETC2	45	—	Vcc
22	I	DETC1	46	O	PHOY
23	I	QCNT	47	O	PHOX
24	I	QEC2	48	—	GND

INPUT

CCNT	; COSINE CORRECTION CONTROL SIGNAL
CI1X, CI1Y, CI2X	; COSINE DELAYED SIGNAL
DETC1, DETC2	; CAPACITOR CONNECTION TERMINALS
DETCNT	; VCA CONTROL FOR ENVELOPE DETECTOR
EN	; BAND GAP ENABLE (H : POWER SAVE)
ENVIX, ENVIY	; INPUTS OF VCA FOR ENVELOPE DETECTOR
IPIX, IPIY	; INPUTS OF VCA
ITC1X, ITC1Y, ITC2X, ITC2Y	; CAPACITOR CONNECTION TERMINALS
ITIX, ITIY	; INPUTS OF INTEGRATOR
PCNT	; PHASE EQ CONTROL
PHCX, PHCY	; CAPACITOR CONNECTION TERMINALS
QCNT	; QFB CONTROL
QEC1, QEC2	; CONNECTOR TERMINALS OF TIME CONSTANT DEVICES
QI	; INPUT OF QFB
SWCNT	; SWITCHING CONTROL
SWIN	; INPUT OF SWITCH
VCONT	; GAIN CONTROL FOR VCA

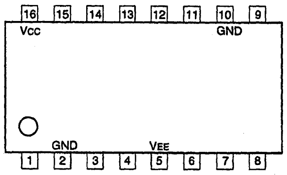
OUTPUT

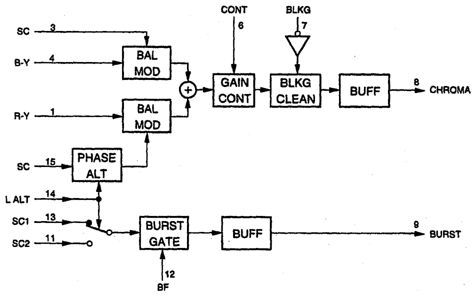
ALARM	; ALARM OUTPUT
ENV	; ENVELOPE OUTPUT
PHOX, PHOY	; PHASE EQUALIZED OUTPUTS
QLOX, QLOY	; LIMITER OUTPUTS OF QFB
QO	; OUTPUT OF QFB
SWOUT	; OUTPUT OF SWITCH
VBTM	; ENVELOPE BOTTOM VOLTAGE
VO	; OUTPUT OF VCA
VTOP	; ENVELOPE TOP VOLTAGE

CX22017 (SONY)
CX22017-TH

VIDEO SIGNAL PROCESSOR

—TOP VIEW—

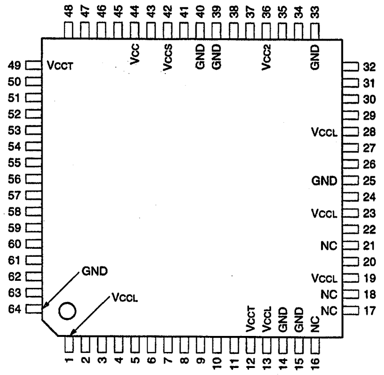

16 15 14 13 12 11 10 9
Vcc
GND
GND
VEE
1 2 3 4 5 6 7 8


CONT
6
BLKG
7
SC 3
B-Y 4
BAL MOD
R-Y 1
BAL MOD
GAIN CONT
BLKG CLEAN
BUFF
8 CHROMA
SC 15
PHASE ALT
L ALT 14
SC1 13
SC2 11
BURST GATE
BUFF
9 BURST
12
BF

CXB1341R (SONY)

SERIAL DIGITAL INTERFACE TRANSMISSION ENCODER

—TOP VIEW—


VCCT
VCC
VCCS
GND
GND
VCC2
GND
VCCL
GND
VCCL
NC
VCCL
NC
NC
GND
VCCL
VCCT
VCCL
GND
GND
NC

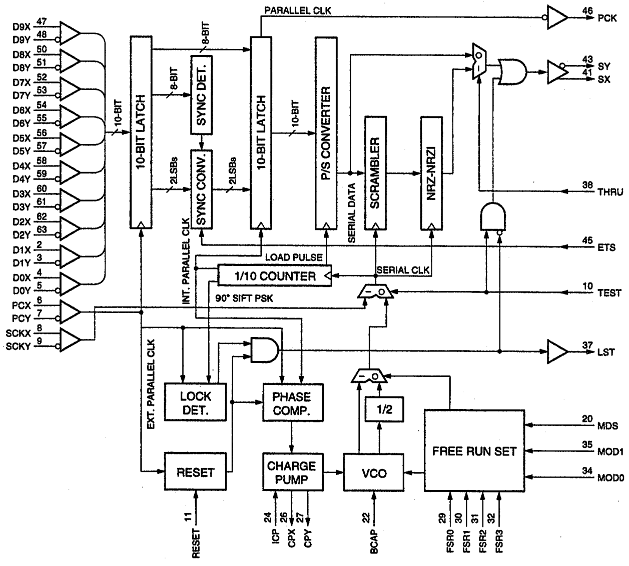
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VCCL	17	—	NC	33	—	GND	49	—	VCCT
2	I	D1X	18	—	NC	34	I	MOD0	50	I	D8X
3	I	D1Y	19	—	VCCL	35	I	MOD1	51	I	D8Y
4	I	D0X	20	I	MDS	36	—	VCC2	52	I	D7X
5	I	D0Y	21	—	NC	37	O	LST	53	I	D7Y
6	I	PCX	22	I	BCAP	38	I	THRU	54	I	D6X
7	I	PCY	23	—	VCCL	39	—	GND	55	I	D6Y
8	I	SCKX	24	I	ICP	40	—	GND	56	I	D5X
9	I	SCKY	25	—	GND	41	O	SX	57	I	D5Y
10	I	TEST	26	O	CPX	42	—	VCCS	58	I	D4X
11	I	RESET	27	O	CPY	43	O	SY	59	I	D4Y
12	—	VCCT	28	—	VCCL	44	—	VCCL	60	I	D3X
13	—	VCCL	29	I	FSR0	45	I	ETS	61	I	D3Y
14	—	GND	30	I	FSR1	46	O	PCK	62	I	D2X
15	—	GND	31	I	FSR2	47	I	D9X	63	I	D2Y
16	—	NC	32	I	FSR3	48	I	D9Y	64	—	GND

INPUT

BCAP : EXTERNAL CAPACITOR FOR VCO
D9X - D0X : POSITIVE PARALLEL DATA
D9Y - D0Y : NEGATIVE PARALLEL DATA
ETS : 8-BIT/10-BIT SELECT (L = 8-BIT, H OR OPEN = 10-BIT)
FSR0 - FSR3 : EXTERNAL RESISTOR FOR SETTING THE FREE-RUN FREQUENCY OF VCO
ICP : EXTERNAL RESISTOR FOR CHARGE PUMP
MDS : TEST
MOD0, MOD1 : VCO RATE SELECT
PCX : POSITIVE PARALLEL CLOCK
PCY : NEGATIVE PARALLEL CLOCK
RESET : PLL RESET
SCKX, SCKY : TEST
TEST : TEST
THRU : TEST

OUTPUT

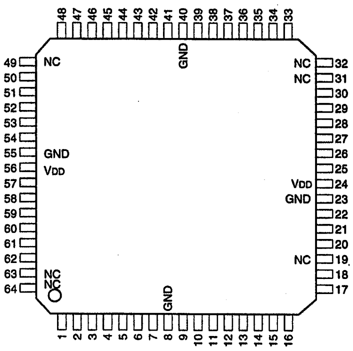
LST : PLL LOCK STATUS
PCK : PARALLEL CLOCK
CPX, CPY : CHARGE PUMP
SX, SY : EXTERNAL RESISTOR FOR SERIAL DIFFERENTIAL


D9X 47
D9Y 48
D8X 50
D8Y 51
D7X 52
D7Y 53
D6X 54
D6Y 55
D5X 56
D5Y 57
D4X 58
D4Y 59
D3X 60
D3Y 61
D2X 62
D2Y 63
D1X 2
D1Y 3
D0X 4
D0Y 5
PCX 6
PCY 7
SCKX 8
SCKY 9
10-BIT
10-BIT LATCH
8-BIT
8-BIT
SYNC DET.
2LSBs
SYNC CONV.
2LSBs
10-BIT LATCH
10-BIT
P/S CONVERTER
SERIAL DATA
SCRAMBLER
NRZ-NRZI
PARALLEL CLK
46 PCK
43 SY
41 SX
38 THRU
45 ETS
10 TEST
37 LST
INT. PARALLEL CLK
LOAD PULSE
1/10 COUNTER
SERIAL CLK
90° SIFT PSK
EXT. PARALLEL CLK
LOCK DET.
PHASE COMP.
1/2
RESET
CHARGE PUMP
VCO
FREE RUN SET
20 MDS
35 MOD1
34 MOD0
11 RESET
24 ICP
26 CPX
27 CPY
22 BCAP
29 FSR0
30 FSR1
31 FSR2
32 FSR3

CXD1095AR (SONY)

C-MOS I/O EXPANDER

—TOP VIEW—


NC
GND
NC
NC
GND
VDD
VDD
GND
NC
NC
NC
GND

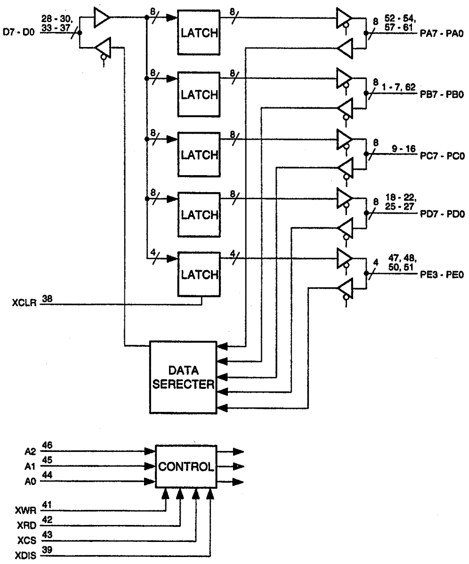
PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I/O	PB1	17	I/O	NC	33	I/O	D3	49	—	NC
2	I/O	PB2	18	I/O	PD0	34	I/O	D4	50	I/O	PE2
3	I/O	PB3	19	I/O	PD1	35	I/O	D5	51	I/O	PE3
4	I/O	PB4	20	I/O	PD2	36	I/O	D6	52	I/O	PA0
5	I/O	PB5	21	I/O	PD3	37	I/O	D7	53	I/O	PA1
6	I/O	PB6	22	I/O	PD4	38	I	XCLR	54	I/O	PA2
7	I/O	PB7	23	—	GND	39	I	XDIS	55	—	GND
8	—	GND	24	—	VDD	40	—	GND	56	—	VDD
9	I/O	PC0	25	I/O	PD5	41	I	XWR	57	I/O	PA3
10	I/O	PC1	26	I/O	PD6	42	I	XRD	58	I/O	PA4
11	I/O	PC2	27	I/O	PD7	43	I	XCS	59	I/O	PA5
12	I/O	PC3	28	I/O	D0	44	I	A0	60	I/O	PA6
13	WO	PC4	29	I/O	D1	45	I	A1	61	I/O	PA7
14	I/O	PC5	30	I/O	D2	46	I	A2	62	I/O	PB0
15	I/O	PC6	31	—	NC	47	I/O	PE0	63	—	NC
16	I/O	PC7	32	—	NC	48	I/O	PE1	64	—	NC

INPUT

A0 - A3 : ADDRESS
XCLR : CLEAR
XCS : CHIP SELECT
XDIS : DISABLE
XRD : READ
XWR : WRITE

INPUT/OUTPUT

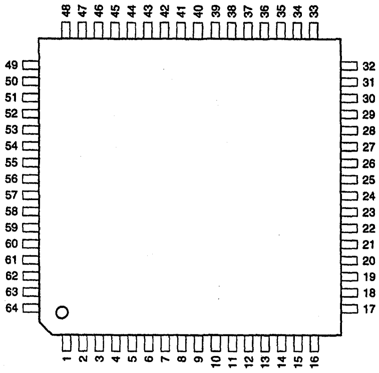
DO - 7 : DATA BUS
PA0 - A7 : PORT 1
PB0 - B7 : PORT 2
PC0 - C7 : PORT 3
PD0 - D7 : PORT 4
PE0 - E7 : PORT 5


D7 - D0
28 - 30, 33 - 37
8
LATCH
8
8 52 - 54, 57 - 61 PA7 - PA0
LATCH
8 1 - 7, 62 PB7 - PB0
LATCH
8 9 - 16 PC7 - PC0
LATCH
8 18 - 22, 25 - 27 PD7 - PD0
4
LATCH
4 47, 48, 50, 51 PE3 - PE0
XCLR 38
DATA SERECTER
A2 46
A1 45
A0 44
CONTROL
XWR 41
XRD 42
XCS 43
XDIS 39

CXD1265R (SONY)
CXD1265R-T6

TIMING PULSE GENERATOR FOR CCD CAMERA

—TOP VIEW—


48
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14
15
16

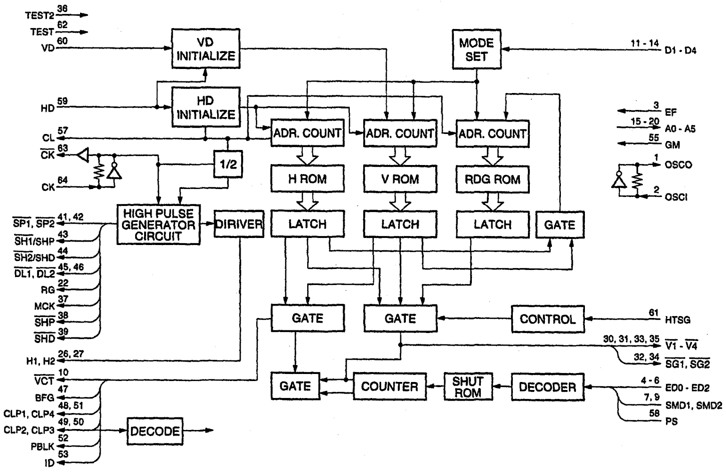
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	OSCO	17	O	A3	33	O	$\overline{\mathrm{V3}}$	49	I/O	CLP2
2	I	OSCI	18	O	A0	34	O	$\overline{\mathrm{SG2}}$	50	I/O	CLP3
3	I	EF	19	O	A1	35	O	$\overline{\mathrm{V4}}$	51	O	CLP4
4	I	ED0	20	O	A2	36	I	TEST2	52	O	PBLK
5	I	ED1	21	—	GND	37	O	MCK	53	O	ID
6	I	ED2	22	O	RG	38	O	$\overline{\mathrm{SHP}}$	54	O	WEN
7	I	SMD1	23	—	NC	39	O	$\overline{\mathrm{SHD}}$	55	I	GM
8	—	GND	24	—	Vcc	40	—	GND	56	—	Vcc
9	I	SMD2	25	—	Vcc	41	O	$\overline{\mathrm{SP1}}$	57	O	CL
10	O	$\overline{\mathrm{VCT}}$	26	O	H1	42	O	$\overline{\mathrm{SP2}}$	58	I	PS
11	I	D1	27	O	H2	43	O	$\overline{\mathrm{SH1}}$/SHP	59	I	HD
12	I	D2	28	—	GND	44	O	$\overline{\mathrm{SH2}}$/SHD	60	I	VD
13	I	D3	29	O	$\overline{\mathrm{SUB}}$	45	O	$\overline{\mathrm{DL1}}$	61	I	HTSG
14	I	D4	30	O	$\overline{\mathrm{V2}}$	46	O	$\overline{\mathrm{DL2}}$	62	I	TEST
15	O	A5	31	O	$\overline{\mathrm{V1}}$	47	O	BFG	63	O	$\overline{\mathrm{CK}}$
16	O	A4	32	O	$\overline{\mathrm{SG1}}$	48	O	CLP1	64	I	CK

INPUTS
CK : NTSC (1820 fH)/PAL (1816 fH) CLOCK
D1 : NORMALLY FIX TO "LOW" LEVEL
D2 : $\overline{\mathrm{COLOR}}$/BW SELECT
D3 : $\overline{\mathrm{FIELD}}$/FRAME SELECT
D4 : $\overline{\mathrm{NTSC}}$ (EIA) /PAL (CCIR) SELECT
ED0 - ED2 : SHUTTER SPEED SETTING
EF : (NOT IN USE)
GM : $\overline{\mathrm{ANALOG\ PROCESSING}}$/DIGITAL PROCESSING
HD : HORIZONTAL SYNC
HTSG : XSG1, XSG2 CONTROL
OSCI : INVERTER FOR OSCILLATOR
PS : SHUTTER SPEED SELECT ($\overline{\mathrm{SERIAL}}$/PARALLEL)
SMD1, SMD2 : SHUTTER MODE SETTING
TEST, TEST2 : TEST
VD : VERTICAL SYNC

OUTPUTS
A0 - A5 : (NOT IN USE)
BFG : ENCODER/CHROMA MODULATOR PULSE
$\overline{\mathrm{CK}}$: NTSC (1820 fH)/PAL (1816 fH) CLOCK
CL : NTSC (910 fH)/PAL (908 fH) CLOCK
CLP1, CLP4 : CLAMP PULSE
$\overline{\mathrm{DL1}}$, $\overline{\mathrm{DL2}}$: CLOCK FOR DELAY LINE
H1, H2 : CCD HORIZONTAL REGISTER DRIVE CLOCK
ID : LINE IDENTIFICATION
MCK : NTSC (910 fH)/PAL (908 fH) CLOCK
OSCO : INVERTER FOR OSCILLATOR
PBLK : BLANKING CLEANING PULSE
RG : RESET GATE PULSE
$\overline{\mathrm{SG1}}$, $\overline{\mathrm{SG2}}$: CCD ELECTRIC CHARGE READ OUT PULSE
$\overline{\mathrm{SH1}}$, $\overline{\mathrm{SH2}}$: SELECTION
SHD, $\overline{\mathrm{SHD}}$: DATA S/H PULSE
SHP, $\overline{\mathrm{SHP}}$: PRE-CHARGE LEVEL S/H PULSE
$\overline{\mathrm{SP1}}$, $\overline{\mathrm{SP2}}$: COLOR SEPARATION S/H PULSE
$\overline{\mathrm{SUB}}$: CCD ELECTRIC CHARGE SUBSTRATE PULSE
$\overline{\mathrm{V1}}$ - $\overline{\mathrm{V4}}$: CCD VERTICAL REGISTER DRIVE CLOCK
$\overline{\mathrm{VCT}}$: (NOT IN USE)
WEN : WRITE ENABLE

INPUT/OUTPUT
CLP2, CLP3 : CLAMP PULSE

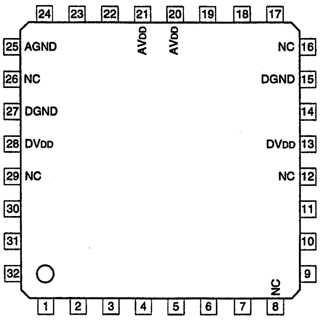
OTHER
NC : NO CONNECTION

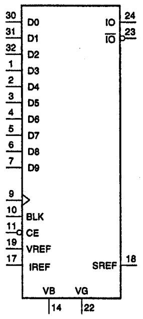

TEST2 36
TEST 62
VD 60
HD 59
CL 57
CK 63
CK 64
SP1, SP2 41, 42
SH1/SHP 43
SH2/SHD 44
DL1, DL2 45, 46
RG 22
MCK 37
SHP 38
SHD 39
H1, H2 26, 27
VCT 10
BFG 47
CLP1, CLP4 48, 51
CLP2, CLP3 49, 50
PBLK 52
ID 53
VD INITIALIZE
HD INITIALIZE
1/2
HIGH PULSE GENERATOR CIRCUIT
DIRIVER
DECODE
MODE SET
ADR. COUNT
ADR. COUNT
ADR. COUNT
H ROM
V ROM
RDG ROM
LATCH
LATCH
LATCH
GATE
GATE
GATE
CONTROL
GATE
COUNTER
SHUT ROM
DECODER
11 - 14 D1 - D4
3 EF
15 - 20 A0 - A5
55 GM
1 OSCO
2 OSCI
61 HTSG
30, 31, 33, 35 V1 - V4
32, 34 SG1, SG2
4 - 6 ED0 - ED2
7, 9 SMD1, SMD2
58 PS

IC

CXD2306Q (SONY)

C-MOS 10-BIT 1CH D/A CONVERTER
—TOP VIEW—


24
23
22
21
20
19
18
17
AVDD
AVDD
25 AGND
26 NC
27 DGND
28 DVDD
29 NC
30
31
32
NC 16
DGND 15
14
DVDD 13
NC 12
11
10
9
NC
1
2
3
4
5
6
7
8

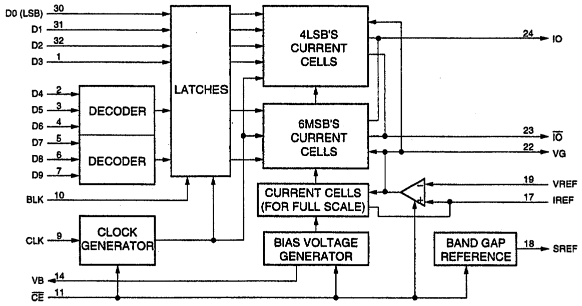

30 D0
31 D1
32 D2
1 D3
2 D4
3 D5
4 D6
5 D7
6 D8
7 D9
9
10 BLK
11 CE
19 VREF
17 IREF
IO 24
IO 23
SREF 18
VB 14
VG 22

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	D3	17	I	IREF
2	I	D4	18	O	SREF
3	I	D5	19	I	VREF
4	I	D6	20	—	AVDD
5	I	D7	21	—	AVDD
6	I	D8	22	O	VG
7	I	D9 (MSB)	23	O	$\overline{\text{IO}}$
8	—	NC	24	O	IO
9	I	CK	25	—	AGND
10	I	BLK	26	—	NC
11	I	$\overline{\text{CE}}$	27	—	DGND
12	—	NC	28	—	DVDD
13	—	DVDD	29	—	NC
14	O	VB	30	I	D0 (LSB)
15	—	DGND	31	I	D1
16	—	NC	32	I	D2

BLK : BLANKING PULSE INPUT
CE : CHIP ENABLE
CK : CLOCK INPUT
D0 - 7 : DIGITAL DATA INPUTS
IO : CURRENT OUTPUT
$\overline{\text{IO}}$: INVERT CURRENT OUTPUT
IREF : CURRENT REFERENCE INPUT
SREF : INDEPENDENT CONSTANT VOLTAGE OUTPUT
VB, VG : FOR CAPACITOR
VREF : VOLTAGE REFERENCE INPUT

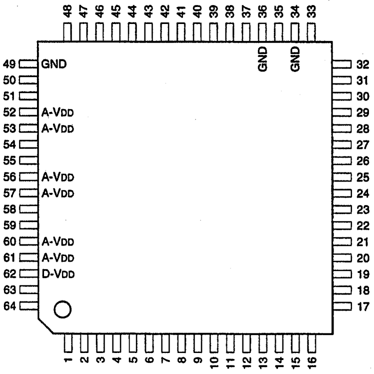
MAXIMUM CONVERSION RATE

CXD2306Q	75MSPS
CXD2315Q	80MSPS

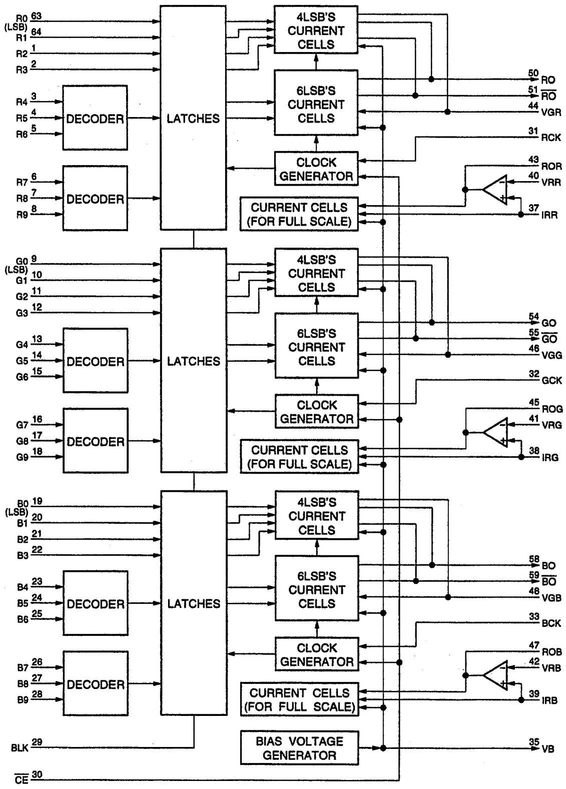

D0 (LSB) 30
D1 31
D2 32
D3 1
D4 2
D5 3
D6 4
D7 5
D8 6
D9 7
BLK 10
CLK 9
VB 14
CE 11
DECODER
DECODER
LATCHES
CLOCK GENERATOR
4LSB'S CURRENT CELLS
6MSB'S CURRENT CELLS
CURRENT CELLS (FOR FULL SCALE)
BIAS VOLTAGE GENERATOR
BAND GAP REFERENCE
24 IO
23 IO
22 VG
19 VREF
17 IREF
18 SREF

CXD2307R-T6 (SONY)

C-MOS 10-BIT 50 MSPS RGB 3CHANNEL D/A CONVERTER
—TOP VIEW—


48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33
GND
GND
49 GND
50
51
52 A-VDD
53 A-VDD
54
55
56 A-VDD
57 A-VDD
58
59
60 A-VDD
61 A-VDD
62 D-VDD
63
64
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

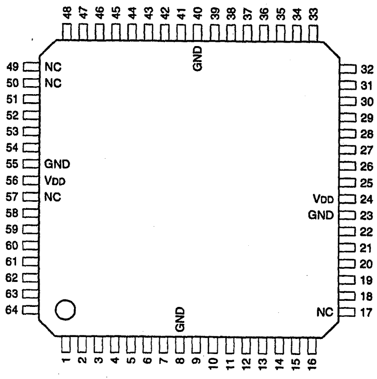
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	R2	17	I	G8	33	I	BCK	49	—	GND
2	I	R3	18	I	G9	34	—	GND	50	O	RO
3	I	R4	19	I	B0 (LSB)	35	O	VB	51	O	$\overline{\text{RO}}$
4	I	R5	20	I	B1	36	—	GND	52	—	A-VDD
5	I	R6	21	I	B2	37	I	IRR	53	—	A-VDD
6	I	R7	22	I	B3	38	I	IRG	54	O	GO
7	I	R8	23	I	B4	39	I	IRB	55	O	$\overline{\text{GO}}$
8	I	R9	24	I	B5	40	I	VRR	56	—	A-VDD
9	I	G0 (LSB)	25	I	B6	41	I	VRG	57	—	A-VDD
10	I	G1	26	I	B7	42	I	VRB	58	O	BO
11	I	G2	27	I	B8	43	I	ROR	59	O	$\overline{\text{BO}}$
12	I	G3	28	I	B9	44	I	VGR	60	—	A-VDD
13	I	G4	29	I	BLK	45	I	ROG	61	—	A-VDD
14	I	G5	30	I	$\overline{\text{CE}}$	46	I	VGG	62	—	D-VDD
15	I	G6	31	I	RCK	47	I	ROB	63	I	R0 (LSB)
16	I	G7	32	I	GCK	48	I	VGB	64	I	R1

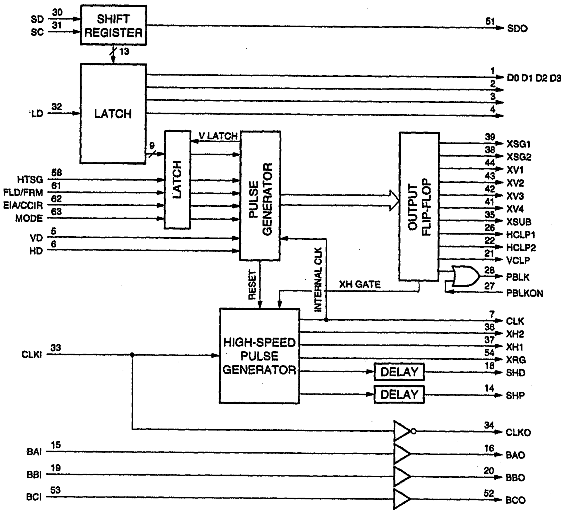

R0 (LSB) 63
R1 64
R2 1
R3 2
R4 3
R5 4
R6 5
R7 6
R8 7
R9 8
G0 (LSB) 9
G1 10
G2 11
G3 12
G4 13
G5 14
G6 15
G7 16
G8 17
G9 18
B0 (LSB) 19
B1 20
B2 21
B3 22
B4 23
B5 24
B6 25
B7 26
B8 27
B9 28
BLK 29
CE 30
DECODER
LATCHES
4LSB'S CURRENT CELLS
6LSB'S CURRENT CELLS
CLOCK GENERATOR
CURRENT CELLS (FOR FULL SCALE)
BIAS VOLTAGE GENERATOR
50 RO
51 RO
44 VGR
31 RCK
43 ROR
40 VRR
37 IRR
54 GO
55 GO
46 VGG
32 GCK
45 ROG
41 VRG
38 IRG
58 BO
59 BO
48 VGB
33 BCK
47 ROB
42 VRB
39 IRB
35 VB

CXD2422R (SONY)

C-MOS TIMING GENERATOR FOR CCD CAMERA

—TOP VIEW—


48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33
GND
49 NC
50 NC
51
52
53
54
55 GND
56 VDD
57 NC
58
59
60
61
62
63
64
32
31
30
29
28
27
26
25
VDD 24
GND 23
22
21
20
19
18
NC 17
GND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16


SD 30
SC 31
SHIFT REGISTER
13
51 SDO
LD 32
LATCH
1 D0 D1 D2 D3
2
3
4
9
V LATCH
LATCH
PULSE GENERATOR
OUTPUT FLIP-FLOP
HTSG 58
FLD/FRM 61
EIA/CCIR 62
MODE 63
VD 5
HD 6
39 XSG1
38 XSG2
44 XV1
43 XV2
42 XV3
41 XV4
35 XSUB
26 HCLP1
22 HCLP2
21 VCLP
28 PBLK
27 PBLKON
RESET
INTERNAL CLK
XH GATE
HIGH-SPEED PULSE GENERATOR
CLKI 33
7 CLK
36 XH2
37 XH1
54 XRG
DELAY
18 SHD
DELAY
14 SHP
34 CLKO
BAI 15
16 BAO
BBI 19
20 BBO
BCI 53
52 BCO

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	D0	17	—	NC	33	I	CLKI	49	—	NC
2	O	D1	18	O	SHD	34	O	CLKO	50	—	NC
3	O	D2	19	I	BBI	35	O	XSUB	51	O	SDO
4	O	D3	20	O	BBO	36	O	XH2	52	O	BCO
5	I	VD	21	O	VCLP	37	O	XH1	53	I	BCI
6	I	HD	22	O	HCLP2	38	O	XSG2	54	O	XRG
7	O	CLK	23	—	GND	39	O	XSG1	55	—	GND
8	—	GND	24	—	VDD	40	—	GND	56	—	VDD
9	I	TEST1	25	I	TEST6	41	O	XV4	57	—	NC
10	I	TEST2	26	O	HCLP1	42	O	XV3	58	I	HTSG
11	I	TEST3	27	I	PBLKON	43	O	XV2	59	I	RST
12	I	TEST4	28	O	PBLK	44	O	XV1	60	I	TEST12
13	I	TEST5	29	I	TEST7	45	O	TEST8	61	I	FLD/FRM
14	O	SHP	30	I	SD	46	O	TEST9	62	I	EIA/CCIR
15	I	BAI	31	I	SC	47	O	TEST10	63	I	MODE
16	O	BAO	32	I	LD	48	O	TEST11	64	I	TEST13

INPUT

BAI	: BUFFER INPUT FOR SHP PHASE ADJUSTMENT
BBI	: BUFFER INPUT FOR SHD PHASE ADJUSTMENT
BCI	: BUFFER INPUT FOR XRG PHASE ADJUSTMENT
CLKI	: CLOCK
EIA/CCIR	: SYSTEM SELECT (H:EIA/L:CCIR)
FLD/FRM	: MODE SELECT (H:FIELD CHARGE/L:FRAME CHARGE)
HD	: HORIZONTAL DRIVE
HTSG	: ON/OFF CONTROL FOR READ PULSE
LD	: LATCH PULSE FOR ELECTRONIC SHUTTER CONTROL
MODE	: MODE SELECT (H:COMPONENT DIGITAL/L:COMPOSITE DIGITAL)
PBLKON	: ON/OFF CONTROL FOR PBLK
RST	: FOR TEST
SC	: CLOCK FOR ELECTROMNIC SHUTTER CONTROL
SD	: SERIAL DATA FOR ELECTRONIC SHUTTER CONTROL
TEST1 - TEST7	: FOR TEST
TEST12, TEST13	: FOR TEST
VD	: VERTICAL DRIVE

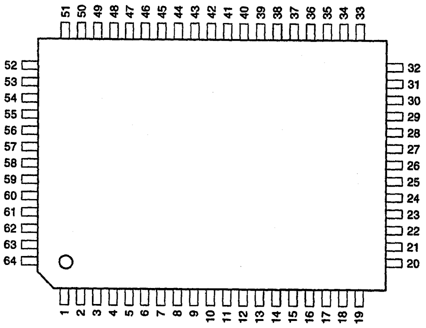
OUTPUT

BAO	: NOT-INVERTED OUTPUT OF BAI
BBO	: NOT-INVERTED OUTPUT OF BBI
BCO	: NOT-INVERTED OUTPUT OF BCI
CLK	: DIVIDED-BY-TWO CLOCK (PIN-33)
CLKO	: INVERTED OUTPUT OF CLKI
D0 - D3	: EXPANSION I/O
HCLP1 - HCLP2	: HORIZONTAL CLAMP PULSE
PBLK	: PRE-BLANKING PULSE
SDO	: SERIAL DATA FOR ELECTRONIC SHUTTER CONTROL
SHD	: SAMPLING PULSE FOR CCD'S SIGNAL LEVEL
SHP	: SAMPLING PULSE FOR CCD'S PRE-CHARGE LEVEL
TEST8 - TEST11	: FOR TEST
VCLP	: VERTICAL CLAMP PULSE
XH1, XH2	: HORIZONTAL REGISTER DRIVE CLOCK
XRG	: OUTPUT SECTION RESET GATE PULSE
XSG1, XSG2	: SENSOR'S ELECTRON CHARGE READ PULSE
XSUB	: SUBSTRATE PULSE FOR ELECTRONIC SHUTTER
XV1 - XV4	: VERTICAL REGISTER DRIVE CLOCK

CXD8854Q (SONY)

AUXILIARY CIRCUIT FOR BIT REDUCTION ENCODER AND ERROR CORRECTION CODER

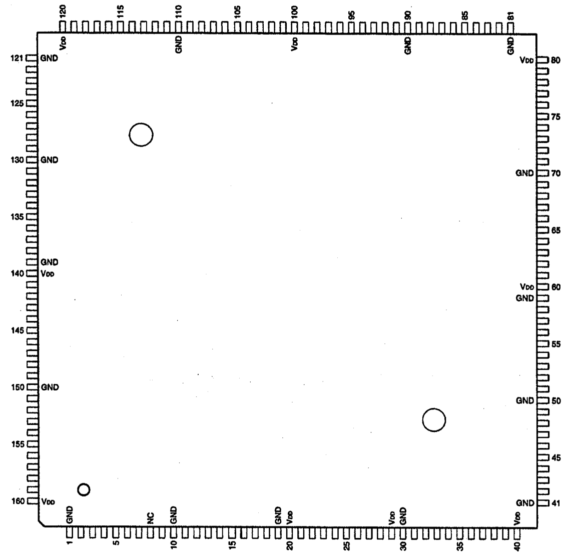
—TOP VIEW—

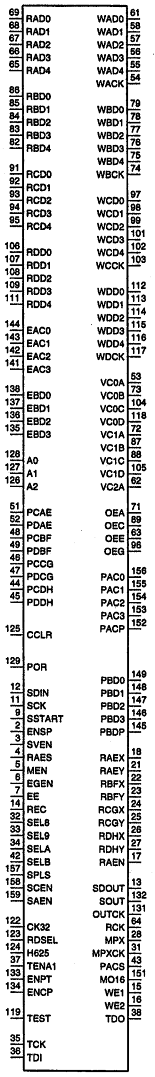

51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33
52
53
54
55
56
57
58
59
60
61
62
63
64
32
31
30
29
28
27
26
25
24
23
22
21
20
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	IPAD0	17	I	IAD0	33	O	OAF0	49	I	IID5
2	I	IPAD1	18	I	IAD1	34	O	OAF1	50	I	IID6
3	I	IPAD2	19	I	IAFS	35	O	OAF2	51	I	IID7
4	I	IPAD3	20	I	IAV0	36	O	$\overline{\text{OCSX}}$	52	I	IVA0
5	I	IPAD4	21	I	IAV1	37	O	$\overline{\text{OWE}}$	53	I	IVA1
6	I	IPAD5	22	I	IA64	38	I	IWSEL	54	I	IWR
7	I	IPAD6	23	O	OH625	39	I	OWS0	55	I	IWE
8	I	IPAD7	24	I	IACK	40	I	OWS1	56	I	ICK16
9	I	$\overline{\text{IRST}}$	25	—	GND	41	—	NC	57	—	GND
10	—	GND	26	—	VDD	42	—	GND	58	—	VDD
11	O	OACK	27	I	ID5F0	43	I	ITR	59	I	IIN
12	O	OAD0	28	I	ID5F1	44	I	IID0	60	O	OINX
13	O	OAD1	29	I	ID5F2	45	I	IID1	61	I	IPC5
14	O	OAFS	30	I	IR5F0	46	I	IID2	62	I	IPS0
15	O	OAV0	31	I	IR5F1	47	I	IID3	63	I	IPS1
16	O	OAV1	32	I	IR5F2	48	I	IID4	64	I	IPSTB

CXD306-138Q (SONY)

C-MOS DATA RATE CONVERTER
—TOP VIEW—


120
115
110
105
100
95
90
85
81
121
125
130
135
140
145
150
155
160
80
75
70
65
60
55
50
45
41
1
5
10
15
20
25
30
35
40
VDD
GND
NC


69 RAD0
68 RAD1
67 RAD2
66 RAD3
65 RAD4
86 RBD0
85 RBD1
84 RBD2
83 RBD3
82 RBD4
91 RCD0
92 RCD1
93 RCD2
94 RCD3
95 RCD4
106 RDD0
107 RDD1
108 RDD2
109 RDD3
111 RDD4
144 EAC0
143 EAC1
142 EAC2
141 EAC3
138 EBD0
137 EBD1
136 EBD2
135 EBD3
128 A0
127 A1
126 A2
51 PCAE
52 PDAE
48 PCBF
49 PDBF
46 PCCG
47 PDCG
44 PCDH
45 PDDH
125 CCLR
129 POR
12 SDIN
11 SCK
9 SSTART
2 ENSP
3 SVEN
4 RAES
5 MEN
6 EGEN
7 EE
14 REC
32 SEL8
33 SEL9
34 SELA
42 SELB
157 SPLS
158 SCEN
159 SAEN
122 CK32
123 RDSEL
124 H625
37 TENA1
133 ENPT
134 ENCP
119 TEST
35 TCK
36 TDI
WAD0 61
WAD1 58
WAD2 57
WAD3 56
WAD4 55
WACK 54
WBD0 79
WBD1 78
WBD2 77
WBD3 76
WBD4 75
WBCK 74
WCD0 97
WCD1 98
WCD2 99
WCD3 101
WCD4 102
WCCK 103
WDD0 112
WDD1 113
WDD2 114
WDD3 115
WDD4 116
WDCK 117
VC0A 53
VC0B 73
VC0C 104
VC0D 118
VC1A 72
VC1B 87
VC1C 88
VC1D 105
VC2A 62
OEA 71
OEC 89
OEE 63
OEG 96
PAC0 156
PAC1 155
PAC2 154
PAC3 153
PACP 152
PBD0 149
PBD1 148
PBD2 147
PBD3 146
PBDP 145
RAEX 18
RAEY 21
RBFX 22
RBFY 23
RCGX 24
RCGY 25
RDHX 26
RDHY 27
RAEN 17
SDOUT 13
SOUT 132
OUTCK 131
RCK 64
MPX 28
MPXCK 31
PACS 43
MO16 151
WE1 15
WE2 16
TDO 38

INPUT

A0 - A2	; IC ADDRESS
CCLR	; COUNTER CLEAR
CK32	; 32MHz CLOCK
EAC0 - 3	; ENCODE A/C DATA
EBD0 - 3	; ENCODE B/D DATA
EE	; BYPASS
EGEN	; EDIT GAP ENABLE
ENCP	; ENCODE
ENPT	; ENCODE ENABLE PARITY
ENSP	; ENCODER START PULSE
H625	; H : 625 MODE
MEN	; MPX ENABLE
PCAE	; PB A/E CLOCK
PCBF	; PB B/F CLOCK
PCCG	; PB C/G CLOCK
PCDH	; PB D/H CLOCK
PDAE	; PB A/E DATA
PDBF	; PB B/F DATA
PDCG	; PB C/G DATA
PDDH	; PB D/H DATA
POR	; RESET
RAD0 - 4	; MEMORY (A) READ DATA
RAES	; REC A/E SELECT
RBD0 - 4	; MEMORY (B) READ DATA
RCD0 - 4	; MEMORY (C) READ DATA
RDD0 - 4	; MEMORY (D) READ DATA
RDSEL	; REC DATA SELECT
REC	; L : REC MODE
SAEN	: SAT A/E ENABLE
SCEN	: SAT C/G ENABLE
SCK	; SERIAL CLOCK
SDIN	; SERIAL DATA IN
SEL8	; PB A/E SELECT
SEL9	; PB B/F SELECT
SELA	; PB C/G SELECT
SELB	; PB D/H SELECT
SPLS	; START PULSE
SSTART	; SERIAL START
SVEN	; SERVO REC ENABLE
TCK	; TEST CLOCK
TDI	; TEST DATA
TENA1	; TEST ENABLE
TEST	; TEST

OUTPUT

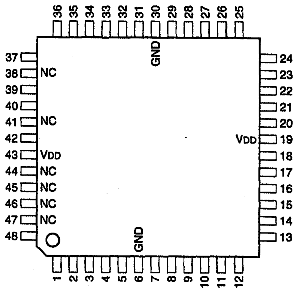
MO16	; 16MHz CLOCK OUT
MPX	; MPX DATA
MPXCK	; MPX CLOCK
OEA, OEC, OEE, OEG	; MEMORY OUTPUT ENABLE
OUTCK	; SERIAL OUT CLOCK
PAC0 - 3	; PB A/C DATA
PACP	; PB A/C PARITY
PACS	; PB A/C SELECT
PBD0 - 3	; PB B/D DATA
PBDP	; PB B/D PARITY
RAEN	; REC A ENABLE
RAEX, RAEY	; REC A/E DATA
RBFX. RBFY	; REC B/F DATA
RCGX. RCGY	; REC C/G DATA
RCK	; MEMORY READ CLOCK
RDHX, RDHY	; REC D/H DATA
SOUT	; SERIAL OUT DATA
SDOUT	; SERIAL DATA
TDO	; TEST DATA
VC0A-D	; MEMORY VCLR0
VC1A-D	; MEMORY VCLR1
VC2A	; MEMORY VCLR2
WACK	; MEMORY (A) WRITE CLOCK
WAD0 - 4	; MEMORY (A) WRITE DATA
WBCK	; MEMORY (B) WRITE CLOCK
WBD0 - 4	; MEMORY (B) WRITE DATA
WCCK	; MEMORY (C) WRITE CLOCK
WCD0 - 4	; MEMORY (C) WRITE DATA
WDCK	; MEMORY (D) WRITE CLOCK
WDD0 - 4	; MEMORY (D) WRITE DATA
WE1, WE2	; MEMORY WRITE ENABLE

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	GND	41	—	GND	81	—	GND	121	—	GND
2	I	ENSP	42	I	SELB	82	I	RBD4	122	I	CK32
3	I	SVEN	43	O	PACS	83	I	RBD3	123	I	RDSEL
4	I	RAES	44	I	PCDH	84	I	RBD2	124	I	H625
5	I	MEN	45	I	PDDH	85	I	RBD1	125	I	CCLR
6	I	EGEN	46	I	PCCG	86	I	RBD0	126	I	A2
7	I	EE	47	I	PDCG	87	O	VC1B	127	I	A1
8	—	NC	48	I	PCBF	88	O	VC1C	128	I	A0
9	I	SSTART	49	I	PDBF	89	O	OEC	129	I	POR
10	—	GND	50	—	GND	90	—	GND	130	—	GND
11	I	SCK	51	I	PCAE	91	I	RCD0	131	O	OUTCK
12	I	SDIN	52	I	PDAE	92	I	RCD1	132	O	SOUT
13	O	SDOUT	53	O	VC0A	93	I	RCD2	133	I	ENPT
14	I	REC	54	O	WACK	94	I	RCD3	134	I	ENCP
15	O	WE1	55	O	WAD4	95	I	RCD4	135	I	EBD3
16	O	WE2	56	O	WAD3	96	O	OEG	136	I	EBD2
17	O	RAEN	57	O	WAD2	97	O	WCD0	137	I	EBD1
18	O	RAEX	58	O	WAD1	98	O	WCD1	138	I	EBD0
19	—	GND	59	—	GND	99	O	WCD2	139	—	GND
20	—	VDD	60	—	VDD	100	—	VDD	140	—	VDD
21	O	RAEY	61	O	WAD0	101	O	WCD3	141	I	EAC3
22	O	RBFX	62	O	VC2A	102	O	WCD4	142	I	EAC2
23	O	RBFY	63	O	OEE	103	O	WCCK	143	I	EAC1
24	O	RCGX	64	O	RCK	104	O	VC0C	144	I	EAC0
25	O	RCGY	65	I	RAD4	105	O	VC1D	145	O	PBDP
26	O	RDHX	66	I	RAD3	106	I	RDD0	146	O	PBD3
27	O	RDHY	67	I	RAD2	107	I	RDD1	147	O	PBD2
28	O	MPX	68	I	RAD1	108	I	RDD2	148	O	PBD1
29	—	VDD	69	I	RAD0	109	I	RDD3	149	O	PBD0
30	—	GND	70	—	GND	110	—	GND	150	—	GND
31	O	MPXCK	71	O	OEA	111	I	RDD4	151	O	MO16
32	I	SEL8	72	O	VC1A	112	O	WDD0	152	O	PACP
33	I	SEL9	73	O	VC0B	113	O	WDD1	153	O	PAC3
34	I	SELA	74	O	WBCK	114	O	WDD2	154	O	PAC2
35	I	TCK	75	O	WBD4	115	O	WDD3	155	O	PAC1
36	I	TDI	76	O	WBD3	116	O	WDD4	156	O	PAC0
37	I	TENA1	77	O	WBD2	117	O	WDCK	157	I	SPLS
38	O	TDO	78	O	WBD1	118	O	VC0D	158	I	SCEN
39	—	VST	79	O	WBD0	119	I	TEST	159	I	SAEN
40	—	VDD	80	—	VDD	120	—	VDD	160	—	VDD

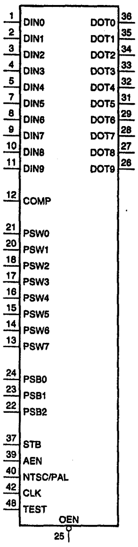
CXD3122R (SONY)
CXD3122R-T4

C-MOS DIGITAL LINE MEMORY

—TOP VIEW—



NC
GND
NC
VDD
VDD
NC
NC
NC
NC
GND



DIN0
DIN1
DIN2
DIN3
DIN4
DIN5
DIN6
DIN7
DIN8
DIN9
COMP
PSW0
PSW1
PSW2
PSW3
PSW4
PSW5
PSW6
PSW7
PSB0
PSB1
PSB2
STB
AEN
NTSC/PAL
CLK
TEST
DOT0
DOT1
DOT2
DOT3
DOT4
DOT5
DOT6
DOT7
DOT8
DOT9
OEN

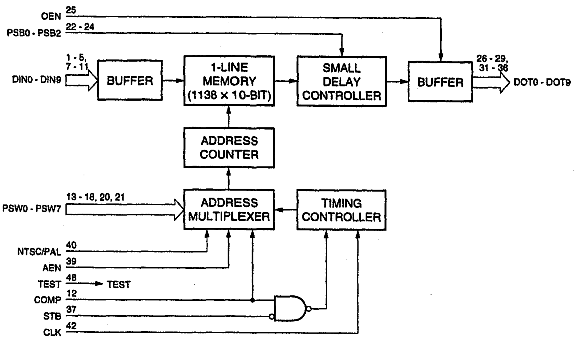
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	DIN0	25	I	$\overline{\text{OEN}}$
2	I	DIN1	26	O	DOT9
3	I	DIN2	27	O	DOT8
4	I	DIN3	28	O	DOT7
5	I	DIN4	29	O	DOT6
6	—	GND	30	—	GND
7	I	DIN5	31	O	DOT5
8	I	DIN6	32	O	DOT4
9	I	DIN7	33	O	DOT3
10	I	DIN8	34	O	DOT2
11	I	DIN9	35	O	DOT1
12	I	COMP	36	O	DOT0
13	I	PSW7	37	I	STB
14	I	PSW6	38	—	NC
15	I	PSW5	39	I	AEN
16	I	PSW4	40	I	NTSC/PAL
17	I	PSW3	41	—	NC
18	I	PSW2	42	I	CLK
19	—	VDD	43	—	VDD
20	I	PSW1	44	—	NC
21	I	PSW0	45	—	NC
22	I	PSB2	46	—	NC
23	I	PSB1	47	—	NC
24	I	PSB0	48	I	TEST

INPUT

AEN	: AMOUNT OF DELAY SELECT
CLK	: CLOCK
COM	: COMPATIBILITY SELECT
DIN0 - DIN9	: DATA
NTSC/PAL	: AMOUNT OF DELAY FOR NTSC/PAL/SECAM SELECT
OEN	: OUTPUT ENABLE
PSB0 - PSB2	: NUMBER OF SMALL DELAY SETTING
PSW0 - PSW7	: NUMBER OF DELAY SETTING
STB	: STANDBY
TEST	: TEST

OUTPUT

DOT0 - DOT9 : DATA

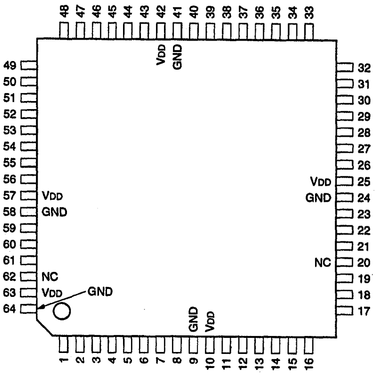


OEN 25
PSB0 - PSB2 22 - 24
DIN0 - DIN9 1 - 5, 7 - 11
BUFFER
1-LINE MEMORY (1138 x 10-BIT)
SMALL DELAY CONTROLLER
BUFFER
26 - 29, 31 - 36
DOT0 - DOT9
ADDRESS COUNTER
PSW0 - PSW7 13 - 18, 20, 21
ADDRESS MULTIPLEXER
TIMING CONTROLLER
NTSC/PAL 40
AEN 39
TEST 48
TEST
COMP 12
STB 37
CLK 42

CXD8889R (SONY)

C-MOS SERIAL I/O

—TOP VIEW—



VDD
GND
VDD
GND
VDD
GND
NC
NC
VDD
GND
GND
VDD

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	D0	17	—	IC	33	—	IC	49	—	IC
2	I/O	D1	18	—	IC	34	—	IC	50	—	IC
3	I/O	D2	19	—	IC	35	—	IC	51	—	IC
4	I/O	D3	20	—	NC	36	—	IC	52	—	IC
5	I/O	D4	21	O	BCKO	37	I	SEL	53	—	IC
6	I/O	D5	22	O	IVH	38	I	RVD	54	—	IC
7	I/O	D6	23	O	TVD	39	I	$\overline{\text{RESE}}$	55	—	IC
8	I/O	D7	24	—	GND	40	I	$\overline{\text{WR}}$	56	—	IC
9	—	GND	25	—	VDD	41	—	GND	57	—	VDD
10	—	VDD	26	—	IC	42	—	VDD	58	—	GND
11	—	IC	27	—	IC	43	I	$\overline{\text{RD}}$	59	I	BRDI
12	—	IC	28	—	IC	44	I	$\overline{\text{CS}}$	60	O	BRD0
13	—	IC	29	—	IC	45	I	CLK	61	O	BTVD
14	—	IC	30	—	IC	46	I	A2	62	—	NC
15	—	IC	31	—	IC	47	I	A1	63	—	VDD
16	—	IC	32	—	IC	48	I	A0	64	—	GND

IC : INTERNAL CONNECTION (NO CONNECTION)

INPUT

A0 - A2	: ADDRESS
BRDI	: BI-PHASE RECEIVE DATA
CLK	: CLOCK
$\overline{\text{CS}}$	: CHIP SELECT
$\overline{\text{RD}}$	: READ ENABLE
RESE	: RESET
RVD	: SERIAL DATA
SEL	: CPU INTERFACE TIMING SELECT
$\overline{\text{WR}}$	: WRITE ENABLE

OUTPUT

BCKO	: INTERNAL CLOCK
BRDO	: DEMODULATED BI-PHASE RECEIVE DATA
BTVD	: MODULATED BI-PHASE TRANSMISSION DATA
IVH	: RECEIVE DATA INTERRUPT
TVD	: SERIAL DATA

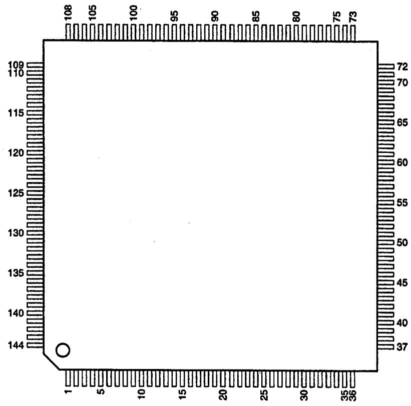
INPUT/OUTPUT

D0 - D7 : PARALLEL DATA

CXD606-101R (SONY)

RATE CONVERTER FOR 3-CCD CAMERA

—TOP VIEW—



INPUTS
CF : COLOR FLAMING PULSE
CK1D : CAMERA CLOCK
CK2D : 27 MHz OR 28 MHz OR 36 MHz
CK3D : VCR 27 MHz
CS : CHIP SELECT
HD : HD
IOEN : IN/OUT ENABLE
PB : $\overline{\mathrm{REC}}$/PLAY BACK CONTROL
PS : POWER SAVE ON/$\overline{\mathrm{OFF}}$
SCK : SERIAL CLOCK
VCRBCNT : VCR B CONTROL/$\overline{\mathrm{OUTPUT}}$
VD : VD

OUTPUTS
CK2COMN : CK2 PLL COMN
CK2COMP : CK2 PLL COMP
DBLKG : DIGITAL BLANKING
DCF : DIGITAL COLOR FLAMING PULSE
DHD : DIGITAL HD
DSYNC : DIGITAL SYNC
DVD : DIGITAL VD
VCK : 27 MHz CLOCK
VCR0 - VCR9 : VCR R-Y

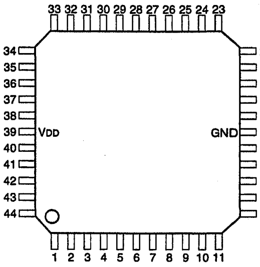
INPUTS/OUTPUTS
CCB0 - CCB10 : CAMERA B-Y 0 - 10
CCR0 - CCR10 : CAMERA R-Y 0 - 10
CY0 - CY10 : CAMERA Y 0 - 10
SDA0 - SDA3 : SERIAL DATA 0 - 3
VCRB0 - VCRB9 : VCR R-Y, B-Y 0 - 9
VYC0 - VYC9 : VCR Y 0 - 9

OTHERS
BC1 : CROSS CHECK
SRST : LSI TEST
TCK : CROSS CHECK
TDI : CROSS CHECK
TDO : CROSS CHECK
TENA1 : CROSS CHECK
TEST : LSI TEST
$\overline{\mathrm{TRST1}}$, $\overline{\mathrm{TRST2}}$: LSI TEST
TSTDIN0 - TSTDIN11 : LSI TEST
TSTRST : LSI TEST
TSTSEL : LSI TEST
VST : CROSS CHECK

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	Vcc	37	—	Vcc	73	—	Vcc	109	—	Vcc
2	—	GND	38	—	GND	74	—	GND	110	—	GND
3	O	VCR5	39	I	PB	75	I/O	CCB7	111	O	DHD
4	O	VCR6	40	I	PS	76	I/O	CCB6	112	O	DVD
5	O	VCR7	41	I	TSTDIN4	77	I/O	CCB5	113	O	DSYNC
6	O	VCR8	42	I	TSTDIN3	78	I/O	CCB4	114	O	DCF
7	O	VCR9	43	I	TSTDIN2	79	I/O	CCB3	115	O	DBLKG
8	—	GND	44	I	TSTDIN1	80	I/O	CCB2	116	I/O	VYC0
9	—	GND	45	—	GND	81	—	GND	117	—	GND
10	I	VCRBCNT	46	I	CK10	82	I/O	CCB1	118	I/O	VYC1
11	I	TSTDIN11	47	—	GND	83	I/O	CCB0	119	I/O	VYC2
12	I	TSTDIN10	48	I	TSTDIN0	84	I/O	CCR10	120	I/O	VYC3
13	I	TSTDIN9	49	I	$\overline{\mathrm{TSTRST}}$	85	I/O	CCR9	121	I/O	VYC4
14	I	TSTDIN8	50	I	TSTSEL	86	I/O	CCR8	122	I/O	VYC5
15	I	TSTDIN7	51	—	GND	87	I/O	CCR7	123	I/O	VYC6
16	I	TSTDIN6	52	I	CK3D	88	I/O	CCR6	124	I/O	VYC7
17	I	TSTDIN5	53	—	GND	89	I/O	CCR5	125	I/O	VYC8
18	—	Vcc	54	—	Vcc	90	—	Vcc	126	—	Vcc
19	—	GND	55	—	GND	91	—	GND	127	—	GND
20	—	GND	56	O	CK2COMP	92	I/O	CCR4	128	I/O	VYC9
21	I/O	SDA3	57	I	CK2D	93	I/O	CCR3	129	I/O	VCRB0
22	I/O	SDA2	58	O	CK2COMN	94	I/O	CCR2	130	I/O	VCRB1
23	I/O	SDA1	59	—	GND	95	I/O	CCR1	131	I/O	VCRB2
24	I/O	SDA0	60	O	VCK	96	I/O	CCR0	132	I/O	VCRB3
25	I	SCK	61	—	GND	97	I/O	CY10	133	I/O	VCRB4
26	I	CS	62	—	GND	98	I/O	CY9	134	I/O	VCRB5
27	I	IOEN	63	I	CF	99	I/O	CY8	135	I/O	VCRB6
28	I	SRST	64	I	VD	100	I/O	CY7	136	I/O	VCRB7
29	I	TEST	65	I	HD	101	I/O	CY6	137	I/O	VCRB8
30	—	GND	66	—	GND	102	—	GND	138	—	GND
31	I	BC1	67	I	$\overline{\mathrm{TRST1}}$	103	I/O	CY5	139	I/O	VCRB9
32	I	TCK	68	I	$\overline{\mathrm{TRST2}}$	104	I/O	CY4	140	O	VCR0
33	I	TDI	69	—	GND	105	I/O	CY3	141	O	VCR1
34	I	TENA1	70	I/O	CCB10	106	I/O	CY2	142	O	VCR2
35	O	TDO	71	I/O	CCB9	107	I/O	CY1	143	O	VCR3
36	I	VST	72	I/O	CCB8	108	I/O	CY0	144	O	VCR4

CXD8095Q (SONY)

C-MOS GATE ARRAY
—TOP VIEW—


33 32 31 30 29 28 27 26 25 24 23
34
35
36
37
38
39
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41
42
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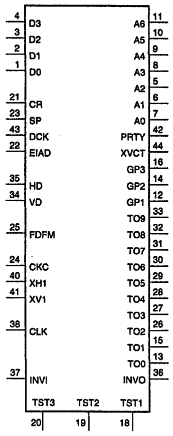
44
22
21
20
19
18
17
16
15
14
13
12
VDD
GND
1 2 3 4 5 6 7 8 9 10 11

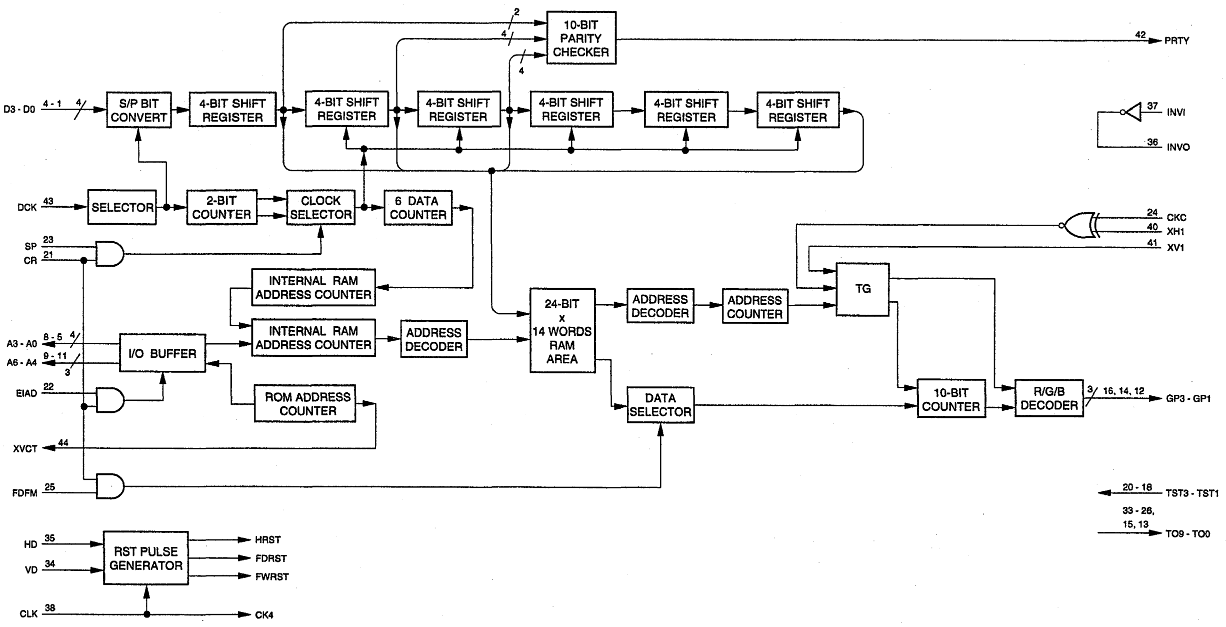

4 D3
3 D2
2 D1
1 D0
21 CR
23 SP
43 DCK
22 EIAD
35 HD
34 VD
25 FDFM
24 CKC
40 XH1
41 XV1
38 CLK
37 INVI
A6 11
A5 10
A4 9
A3 8
A2 5
A1 6
A0 7
PRTY 42
XVCT 44
GP3 16
GP2 14
GP1 12
TO9 33
TO8 32
TO7 31
TO6 30
TO5 29
TO4 28
TO3 27
TO2 26
TO1 15
TO0 13
INVO 36
TST3 20
TST2 19
TST1 18

INPUT
CKC : XH1 ACTIVE EDGE DECISION
CLK : SYSTEM CLOCK
CR : COMPENSATION DATA SELECT
(H : μ-COM MODE, L : NORMAL MODE)
D0-D3 : 4-BIT PARALLEL DATA
DCK : DATA INPUTS STROBE PULSE
EIAD : H : EXT ADDRESS, L : INT ADDRESS
FDFM : FRAME READ/FIELD READ
: SWITCH (H : FIELD READ)
HD : HORIZONTAL DRIVE
INVI : INVERTER
SP : INPUT DATA SERIAL/PARALLEL
SWITCH (H : SERIAL)
TST1 - TST3 : TEST MODE SELECT
VD : VERTICAL DRIVE
XH1 : CLOCK FOR COMPENSATION DATA
XV1 : LINE COUNTER INPUT TERMINAL

OUTPUT
A4 - A6 : DATA ADDRESS
GP1 - GP3 : GATE PULSE FOR COMPENSATION DATA
(R, G, B-CH)
INVO : INVERTER
PRTY : 12-BIT DATA PARITY CHECK (H : EVEN)
TO0 - TO9 : TEST TERMINAL FOR INTERNAL DATA OUTPUTS
XVCT : ROM POWER VOLTAGE CONTROL TERMINAL

INPUT/OUTPUT
A0 - A3 : DATA ADDRESS OUTPUTS
(DATA ADDRESS INPUTS ; μ-COM MODE)

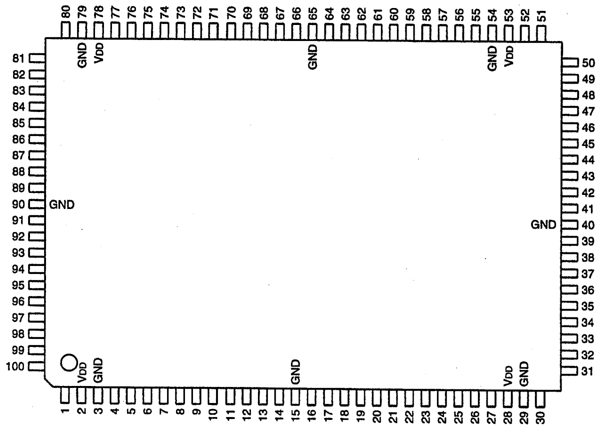
PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	I	D0	12	O	GP1	23	I	SP	34	I	VD
2	I	D1	13	O	TO0	24	I	CKC	35	I	HD
3	I	D2	14	O	GP2	25	I	FDFM	36	O	INVO
4	I	D3	15	O	TO1	26	O	TO2	37	I	INVI
5	I/O	A2	16	O	GP3	27	O	TO3	38	I	CLK
6	I/O	A1	17	—	GND	28	O	TO4	39	—	VDD
7	I/O	A0	18	I	TST1	29	O	TO5	40	I	XH1
8	I/O	A3	19	I	TST2	30	O	TO6	41	I	XV1
9	O	A4	20	I	TST3	31	O	TO7	42	O	PRTY
10	O	A5	21	I	CR	32	O	TO8	43	I	DCK
11	O	A6	22	I	EIAD	33	O	TO9	44	O	XVCT


D3 - D0
4 - 1
4
S/P BIT CONVERT
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
4-BIT SHIFT REGISTER
2
4
4
10-BIT PARITY CHECKER
42 PRTY
37 INVI
36 INVO
DCK 43
SELECTOR
2-BIT COUNTER
CLOCK SELECTOR
6 DATA COUNTER
SP 23
CR 21
INTERNAL RAM ADDRESS COUNTER
INTERNAL RAM ADDRESS COUNTER
ADDRESS DECODER
24-BIT x 14 WORDS RAM AREA
ADDRESS DECODER
ADDRESS COUNTER
TG
24 CKC
40 XH1
41 XV1
A3 - A0 8 - 5 4
A6 - A4 9 - 11 3
I/O BUFFER
EIAD 22
ROM ADDRESS COUNTER
DATA SELECTOR
10-BIT COUNTER
R/G/B DECODER
3 16, 14, 12 GP3 - GP1
XVCT 44
FDFM 25
20 - 18 TST3 - TST1
33 - 26, 15, 13 TO9 - TO0
HD 35
VD 34
RST PULSE GENERATOR
HRST
FDRST
FWRST
CLK 38
CK4

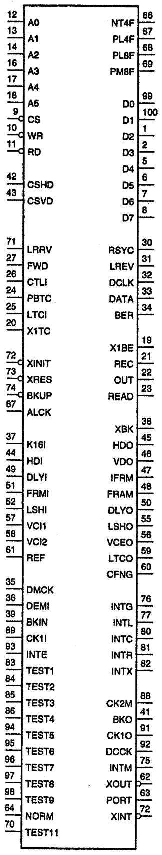
CXD8384Q (SONY)

C-MOS LTC READER/GENERATOR

—TOP VIEW—


GND
VDD
GND
GND
VDD
GND
GND
VDD
GND
GND
VDD
GND
1 – 100

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	D2	26	I	CTLI	51	I	FRMI	76	O	INTG
2	I/O	D3	27	I	FWD	52	I	LSHI	77	O	INTL
3	—	VDD	28	—	VDD	53	—	VDD	78	—	VDD
4	—	GND	29	—	GND	54	—	GND	79	—	GND
5	I/O	D4	30	O	RSYC	55	O	LSHO	80	O	INTC
6	I/O	D5	31	O	LREV	56	O	VCEO	81	O	INTR
7	I/O	D6	32	O	DCLK	57	I	VCI1	82	O	INTX
8	I/O	D7	33	O	DATA	58	I	VCI2	83	I	TEST1
9	I	$\overline{\text{CS}}$	34	O	BER	59	O	LTCO	84	I	TEST2
10	I	$\overline{\text{WR}}$	35	I	DMCK	60	O	CFNG	85	I	TEST3
11	I	$\overline{\text{RD}}$	36	I	DEMI	61	I	REF	86	I	TEST4
12	I	A0	37	I	K16I	62	O	$\overline{\text{XOUT}}$	87	I	ALCK
13	I	A1	38	O	$\overline{\text{XBK}}$	63	O	PORT	88	O	CK2M
14	I	A2	39	I	$\overline{\text{BKIN}}$	64	I	NORM	89	I	CK1I
15	—	GND	40	—	GND	65	—	GND	90	—	GND
16	I	A3	41	O	BKO	66	O	NT4F	91	O	CK1O
17	I	A4	42	I	CSHD	67	O	PL4F	92	O	DCCK
18	I	A5	43	I	CSVD	68	O	PL8F	93	I	INTE
19	O	X1BE	44	I	HDI	69	O	PM8F	94	I	TEST5
20	I	X1TC	45	O	HDO	70	I	TEST11	95	I	TEST6
21	O	REC	46	O	VDO	71	I/O	LRRV	96	I	TEST7
22	O	OUT	47	O	IFRM	72	O	$\overline{\text{XINT}}$	97	I	TEST8
23	O	READ	48	O	FRAM	73	I	$\overline{\text{XRES}}$	98	I	TEST9
24	I	PBTC	49	I	DLYI	74	I	$\overline{\text{BKUP}}$	99	I/O	D0
25	I	LTCI	50	O	DLYO	75	O	INTM	100	I/O	D1

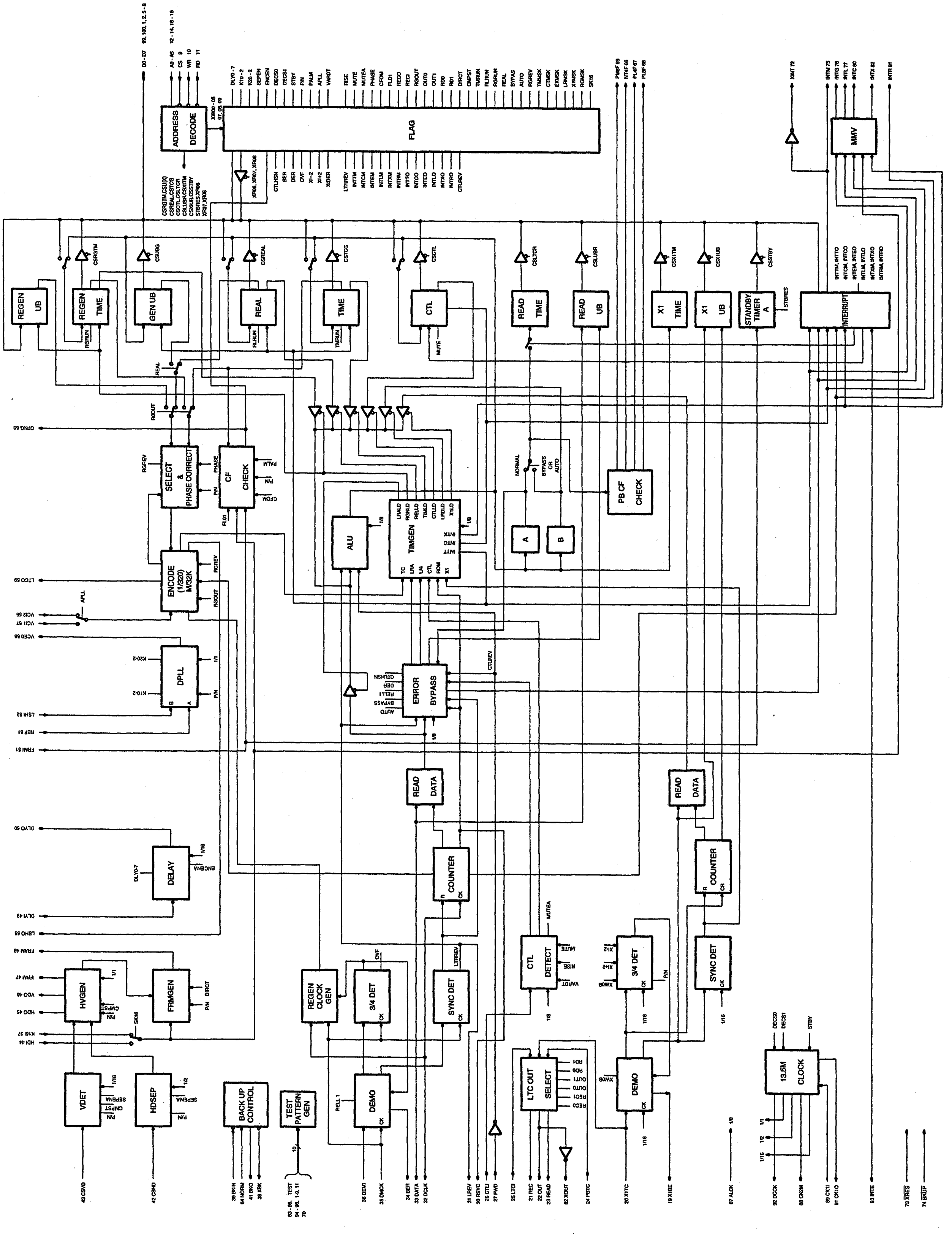

12 A0
13 A1
14 A2
16 A3
17 A4
18 A5
9 CS
10 WR
11 RD
42 CSHD
43 CSVD
71 LRRV
27 FWD
26 CTLI
24 PBTC
25 LTCI
20 X1TC
72 XINIT
73 XRES
74 BKUP
87 ALCK
37 K16I
44 HDI
49 DLYI
51 FRMI
52 LSHI
57 VCI1
58 VCI2
61 REF
35 DMCK
36 DEMI
39 BKIN
89 CK1I
93 INTE
83 TEST1
84 TEST2
85 TEST3
86 TEST4
94 TEST5
95 TEST6
96 TEST7
97 TEST8
98 TEST9
64 NORM
70 TEST11
NT4F 66
PL4F 67
PL8F 68
PM8F 69
D0 99
D1 100
D2 1
D3 2
D4 5
D5 6
D6 7
D7 8
RSYC 30
LREV 31
DCLK 32
DATA 33
BER 34
X1BE 19
REC 21
OUT 22
READ 23
XBK 38
HDO 45
VDO 46
IFRM 47
FRAM 48
DLYO 50
LSHO 55
VCEO 56
LTCO 59
CFNG 60
INTG 76
INTL 77
INTC 80
INTR 81
INTX 82
CK2M 88
BKO 41
CK1O 91
DCCK 92
INTM 75
XOUT 62
PORT 63
XINT 72

INPUT

A0 - A5	; ADDRESS BUS IN
ALCK	; ARITHMETIC LOGIC UNIT CLOCK IN
BKIN	; BACKUP IN (NEGATIVE LOGIC)
BKUP	; BACKUP EXECUTION IN (NEGATIVE LOGIC)
CK1I	; SYSTEM CLOCK IN
CSHD	; COMPOSITE SYNC/HD IN
CSVD	; COMPOSITE SYNC/VD IN
CTLI	; CTL SIGNAL IN
DEMI	; LONGITUDINAL TIME AND CONTROL CODE IN
DLYI	; INPUT TO DELAY CIRCUIT
DMCK	; LTC DEMODULATE CLOCK IN
FRMI	; FRAME SIGNAL IN
FWD	; CTL DIRECTION SIGNAL IN
HDI	; HORIZONTAL SYNC INPUT
INTE	; EXTERNAL INTERRUPT IN (POSITIVE LOGIC)
K16I	; 16KHz CLOCK IN BACKUP CLOCK IN
LRRV	; DIRECTION INPUT FOR LTC READER CALCULATION
LTCI	; GENERATED LTC IN
LSHI	; LTC SYNCHRINOUS H INPUT
NORM	; NORMAL/BACKUP MODE SELECT
TEST1 - TEST9 TEST11	; TEST IN
PBTC	; PLAYBACK LTC IN
RD	; READ IN (NEGATIVE LOGIC)
REF	; REFERENCE OF LTC GENERATOR
VCI1	; LTC CLOCK IN-1
VCI2	; EXTERNAL LTC IN
X1TC	; LTC CLOCK IN-2
XRES	; SYSTEM RESET IN (NEGATIVE LOGIC)
WR	; WRITE IN (NEGATIVE LOGIC)

OUTPUT

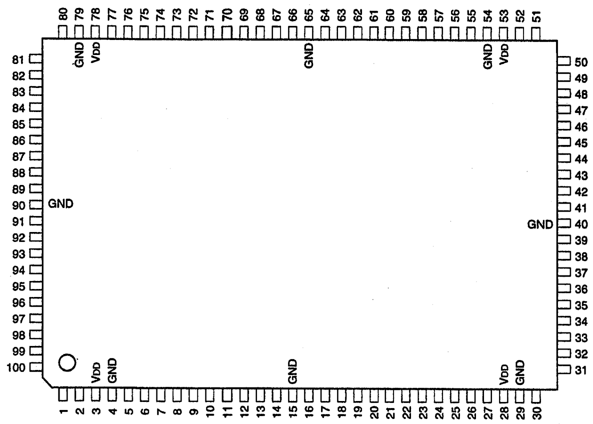
BER	; BI-PHASE MARK ERROR (BIT ERROR)
BKO	; BACKUP CONTROL OUT-2 (POSITIVE LOGIC)
CFNG	; COLOR FRAME ERROR FLAG OUT
CK1O	; SYSTEM CLOCK OUT
CK2M	; CLOCK 2M OUT
CS	; CHIP SELECT IN (NEGATIVE LOGIC)
D0 - D7	; DATA BUS
DATA	; DEMODULATED SERIAL DATA OUT
DCCK	; LTC DECODE CLOCK OUT
DCLK	; DEMODULATED CLOCK OUT
DLYO	; OUTPUT FROM DELAY CIRCUIT
FRAM	; FRAME SIGNAL OUT -2
HDO	; HORIZONTAL SYNC DRIVE OUT
IFRM	; FRAME SIGNAL OUT -1
INTC	; CTL INTERRUPT OUT (POSITIVE LOGIC)
INTG	; GENERATOR INTERRUPT OUT (POSITIVE LOGIC)
INTL	; READER INTERRUPT -1 OUT (POSITIVE LOGIC)
INTM	; INTERRUPT MIX OUT (POSITIVE LOGIC)
INTR	; READER INTERRUPT -2 OUT (POSITIVE LOGIC)
INTX	; EXTERNAL LTC INTERRUPT OUT (POSITIVE LOGIC)
LREV	; READ REV/FWD BIT OUT
LSHO	; LTC SYNCHRONOUS SIGNAL H OUT
LTCO	; LTC SIGNAL OUT
NT4F, PL4F, PL8F, PM8F	; DEMODULATED COLOR FRAME OUT
OUT	; EXTERNAL OUTPUT LTC OUT
PORT	; PORT
READ	; READ LTC OUT
REC	; RECORD LTC OUT
RSYC	; READ SYNC WORD DATA OUT
VCEO	; LTC CLOCK OUT
VDO	; VERTICAL SYNC DRIVE OUT
X1BE	; BI-PHASE MARK ERROR (NORMAL SPEED READER)
XBK	; BACKUP CONTROL OUT-1 (NEGATIVE LOGIC)
XINT	; INVERTED INTERRUPT MIX OUT (NEGATIVE LOGIC)
XOUT	; INVERTED EXTERNAL OUTPUT LTC OUT


D0 - D7
A0 - A5
CS 9
WR 10
RD 11
ADDRESS DECODE
FLAG
MMV
INTERRUPT
REGEN UB
REGEN TIME
GEN UB
REAL
TIME
CTL
READ TIME
READ UB
X1 TIME
X1 UB
STANDBY TIMER A
SELECT & PHASE CORRECT
CF CHECK
ALU
TIMGEN
A
B
PB CF CHECK
NORMAL
BYPASS OR AUTO
ENCODE (1/320) M/32K
DPLL
ERROR BYPASS
READ DATA
READ DATA
DELAY
COUNTER
COUNTER
HVGEN
FRMGEN
REGEN CLOCK GEN
3/4 DET
SYNC DET
CTL DETECT
3/4 DET
SYNC DET
VDET
HDSEP
BACK UP CONTROL
TEST PATTERN GEN
DEMO
LTC OUT SELECT
DEMO
13.5M CLOCK

IC

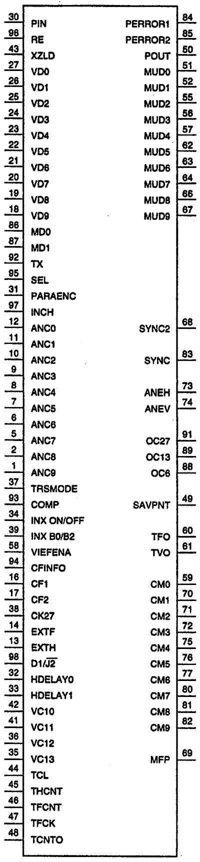
CXD8385Q (SONY)

C-MOS ENCODER
—TOP VIEW—



80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51
GND
VDD
GND
GND
VDD
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
GND
50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31
GND
VDD
GND
GND
VDD
GND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

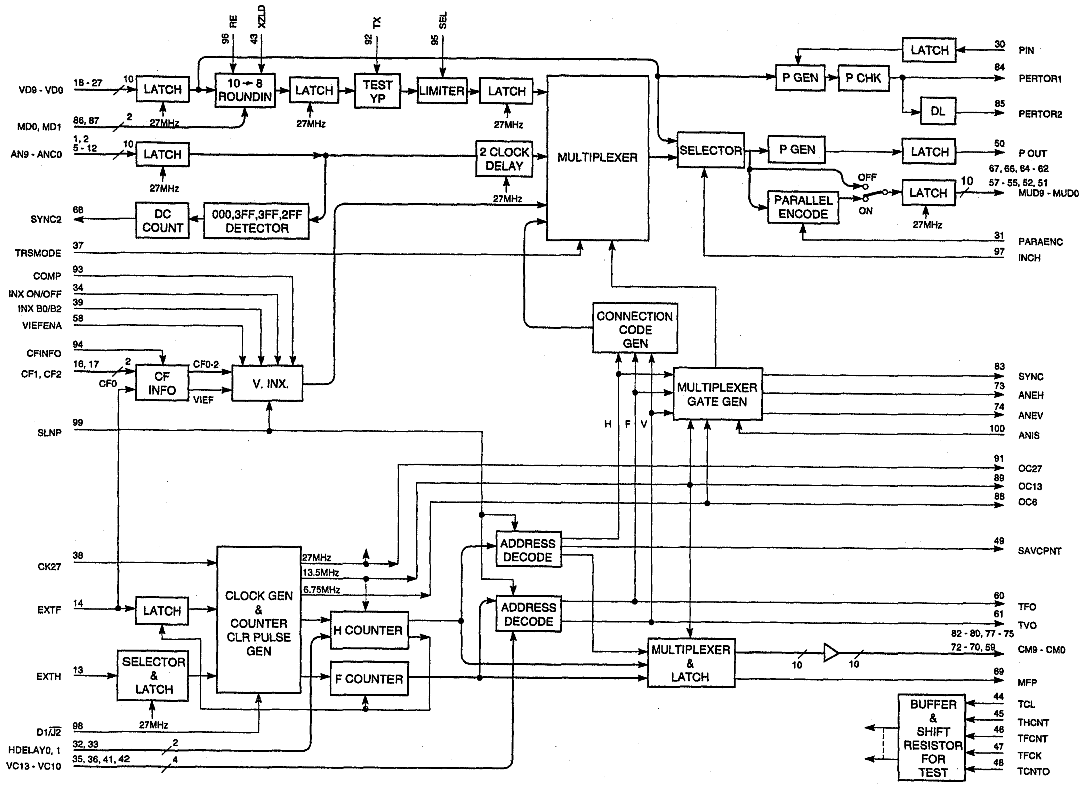
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	ANC9	26	I	VD1	51	O	MUD0	76	O	CM5
2	I	ANC8	27	I	VD0	52	O	MUD1	77	O	CM6
3	—	V$_{DD}$	28	—	V$_{DD}$	53	—	V$_{DD}$	78	—	V$_{DD}$
4	—	GND	29	—	GND	54	—	GND	79	—	GND
5	I	ANC7	30	I	PIN	55	O	MUD2	80	O	CM7
6	I	ANC6	31	I	PARAENC	56	O	MUD3	81	O	CM8
7	I	ANC5	32	I	HDELAY0	57	O	MUD4	82	O	CM9
8	I	ANC4	33	I	HDELAY1	58	I	VIEFENA	83	O	SYNC
9	I	ANC3	34	I	INX ON/OFF	59	O	CM0	84	O	PERROR1
10	I	ANC2	35	I	VC13	60	O	TFO	85	O	PERROR2
11	I	ANC1	36	I	VC12	61	O	TVO	86	I	MD0
12	I	ANC0	37	I	TRS MODE	62	O	MUD5	87	I	MD1
13	I	EXTH	38	I	CK27	63	O	MUD6	88	O	OC6
14	I	EXTF	39	I	INX B0/B2	64	O	MUD7	89	O	OC13
15	—	GND	40	—	GND	65	—	GND	90	—	GND
16	I	CF1	41	I	VC11	66	O	MUD8	91	O	OC27
17	I	CF2	42	I	VC10	67	O	MUD9	92	I	TX
18	I	VD9	43	I	XZLD	68	O	SYNC2	93	I	COMP
19	I	VD8	44	I	TCL	69	O	MFP	94	I	CFINFO
20	I	VD7	45	I	THCNT	70	O	CM1	95	I	SEL
21	I	VD6	46	I	TFCNT	71	O	CM2	96	I	RE
22	I	VD5	47	I	TFCK	72	O	CM3	97	I	INCH
23	I	VD4	48	I	TCNTO	73	O	ANEH	98	I	D1/$\overline{J2}$
24	I	VD3	49	O	SAVPNT	74	O	ANEV	99	I	SLNP
25	I	VD2	50	O	POUT	75	O	CM4	100	I	ANIS



30 PIN
96 RE
43 XZLD
27 VD0
26 VD1
25 VD2
24 VD3
23 VD4
22 VD5
21 VD6
20 VD7
19 VD8
18 VD9
86 MD0
87 MD1
92 TX
95 SEL
31 PARAENC
97 INCH
12 ANC0
11 ANC1
10 ANC2
9 ANC3
8 ANC4
7 ANC5
6 ANC6
5 ANC7
2 ANC8
1 ANC9
37 TRSMODE
93 COMP
34 INX ON/OFF
39 INX B0/B2
58 VIEFENA
94 CFINFO
16 CF1
17 CF2
38 CK27
14 EXTF
13 EXTH
98 D1/$\overline{J2}$
32 HDELAY0
33 HDELAY1
42 VC10
41 VC11
36 VC12
35 VC13
44 TCL
45 THCNT
46 TFCNT
47 TFCK
48 TCNTO
PERROR1 84
PERROR2 85
POUT 50
MUD0 51
MUD1 52
MUD2 55
MUD3 56
MUD4 57
MUD5 62
MUD6 63
MUD7 64
MUD8 66
MUD9 67
SYNC2 68
SYNC 83
ANEH 73
ANEV 74
OC27 91
OC13 89
OC6 88
SAVPNT 49
TFO 60
TVO 61
CM0 59
CM1 70
CM2 71
CM3 72
CM4 75
CM5 76
CM6 77
CM7 80
CM8 81
CM9 82
MFP 69

INPUT
ANC0 - ANC9 ; ANCILLARY DATA
ANIS ; ANC GATE CONTROL
CF1/CF2 ; CF DATA
CFINFO ; CFINFO CONTROL
CK27 ; 27 MHz CLOCK
COMP ; COMPOSIT/COMPONENT
D1/J2, SLNP ; MODE CONTROL
EXTF ; REF F
EXTH ; REF H
HDELAY0, HDELAY1
; JZ REF H TRS ADVANCE CONTROL
INCH, TCL, TCNTO, TFCK, TFCNT, THCNT, XZLD
; TEST PIN
INX ON/OFF, INX B0/B2 VIEFENA
; V. INX. CONTROL
PARAENC ; SCRAMBLE NRZ CONVERT ON/OFF
PIN ; PARITY
RE ; ROUND CONTROL
TRSMODE ; TRS 10-BIT/8-BIT SELECT
TX ; TEST PIN
VC10 - VC13 ; 525/60 V BLANK CONTROL
VD0 - VD9 ; VIDEO DATA

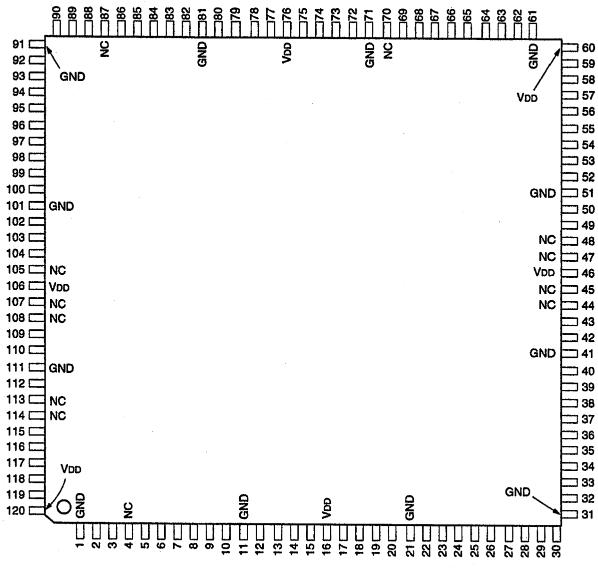
OUTPUT
ANEH, ANEV ; PULSE
CM0 - CM9 ; H, F COUNTER
MFP ; MULTIPLEX F COUNTER PULSE
MUD0 - MUD9 ; VIDEO DATA
OC13 ; 13.5 MHz CLOCK
OC27 ; 27 MHz CLOCK
OC6 ; 6.75 MHz CLOCK
PERROR1, PERROR2
; PARITY ERROR DETECT
POUT ; PARITY
SAVPNT ; SAV PULSE
SYNC, SYNC2 ; TIMING PULSE
TFO ; F MONITOR
TVO ; V MONITOR


96 RE
43 XZLD
92 TX
95 SEL
VD9 - VD0
18 - 27
10
LATCH
10 → 8 ROUNDIN
LATCH
TEST YP
LIMITER
LATCH
27MHz
MD0, MD1
86, 87
2
AN9 - ANC0
1, 2
5 - 12
10
LATCH
2 CLOCK DELAY
MULTIPLEXER
SYNC2
68
DC COUNT
000,3FF,3FF,2FF DETECTOR
TRSMODE
37
COMP
93
INX ON/OFF
34
INX B0/B2
39
VIEFENA
58
CFINFO
94
CF1, CF2
16, 17
2
CF0
CF INFO
CF0-2
VIEF
V. INX.
SLNP
99
CONNECTION CODE GEN
H
F
V
MULTIPLEXER GATE GEN
LATCH
30
PIN
P GEN
P CHK
84
PERTOR1
DL
85
PERTOR2
SELECTOR
P GEN
LATCH
50
P OUT
OFF
ON
PARALLEL ENCODE
LATCH
10
67, 66, 64 - 62
57 - 55, 52, 51
MUD9 - MUD0
31
PARAENC
97
INCH
83
SYNC
73
ANEH
74
ANEV
100
ANIS
91
OC27
89
OC13
88
OC6
CK27
38
CLOCK GEN & COUNTER CLR PULSE GEN
27MHz
13.5MHz
6.75MHz
ADDRESS DECODE
49
SAVCPNT
EXTF
14
LATCH
H COUNTER
ADDRESS DECODE
60
TFO
61
TVO
EXTH
13
SELECTOR & LATCH
F COUNTER
MULTIPLEXER & LATCH
10
10
82 - 80, 77 - 75
72 - 70, 59
CM9 - CM0
69
MFP
D1/$\overline{J2}$
98
HDELAY0, 1
32, 33
2
VC13 - VC10
35, 36, 41, 42
4
BUFFER & SHIFT RESISTOR FOR TEST
44
TCL
45
THCNT
46
TFCNT
47
TFCK
48
TCNTO

CXD8281Q (SONY)

C-MOS DIGITAL AUDIO TIME BASE COMPRESSION FOR SIF TRANSMITER

—TOP VIEW—


GND
NC
VDD
1–120

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	31	—	GND	61	—	GND	91	—	GND
2	IU	$\overline{\text{IT1}}$	32	ID	C3/4	62	IU	CWA0 (LSB)	92	OT	AUX0 (LSB)
3	IU	$\overline{\text{CLR}}$	33	ID	C1/2	63	IU	CWA1	93	OT	AUX1
4	—	NC	34	ID	U3/4	64	IU	CWA2	94	OT	AUX2
5	O	OT1	35	ID	U1/2	65	IU	CWA3 (MSB)	95	OT	AUX3
6	O	OT2	36	ID	V3/4	66	IU	CWEN	96	OT	AUX4
7	O	OT3	37	ID	V1/2	67	IU	$\overline{\text{IT3}}$	97	OT	AUX5
8	O	OT4	38	ID	AD3/4	68	IU	$\overline{\text{IT4}}$	98	OT	AUX6
9	O	OT5	39	ID	AD1/2	69	IU	$\overline{\text{IT5}}$	99	OT	AUX7
10	O	OT6	40	ID	BCK	70	—	NC	100	OT	AUX8
11	—	GND	41	—	GND	71	—	GND	101	—	GND
12	O	OT7	42	ID	128CK	72	IU	DID0	102	OT	AUX9 (MSB)
13	O	OT8	43	IU	LRCK	73	IU	DID1	103	O	ADBT
14	O	OT9	44	—	NC	74	IU	LIM0	104	ID	$\overline{\text{OEAUX}}$
15	O	OT10	45	—	NC	75	IU	LIM1	105	—	NC
16	—	VDD	46	—	VDD	76	—	VDD	106	—	VDD
17	O	OT11	47	—	NC	77	IU	$\overline{\text{CHS1}}$	107	—	NC
18	O	OT12	48	—	NC	78	IU	$\overline{\text{CHS2}}$	108	—	NC
19	O	OT13	49	IU	$\overline{\text{IT2}}$	79	IU	$\overline{\text{CHS3}}$	109	IU	SYNC
20	O	OT14	50	IU	CWCK	80	IU	$\overline{\text{CHS4}}$	110	ID	VCK
21	—	GND	51	—	GND	81	—	GND	111	—	GND
22	IU	CHEX1	52	IU	CWD7 (MSB)	82	IU	DLY0 (LSB)	112	IU	D2/D1
23	IU	CHEX0	53	IU	CWD6	83	IU	DLY1	113	—	NC
24	IU	AFS	54	IU	CWD5	84	IU	DLY2	114	—	NC
25	IU	LRS	55	IU	CWD4	85	IU	DLY3	115	O	OT15
26	IU	DIR	56	IU	CWD3	86	IU	DLY4 (MSB)	116	O	OT16
27	IU	20/16	57	IU	CWD2	87	—	NC	117	O	OT17
28	IU	ZCS	58	IU	CWD1	88	O	AUXT	118	O	OT18
29	ID	Z3/4	59	IU	CWD0 (LSB)	89	O	UDT	119	O	OY19
30	ID	Z1/2	60	—	VDD	90	O	ADFT	120	—	VDD

U ; INPUT WITH PULL-UP REGISTER
D ; INPUT WITH PULL-DOWN REGISTER
OT ; TRI-STATE OUTPUT

INPUT (WITH PULL-DOWN REGISTER)

128CK ; DIGITAL AUDIO 128 x Fs CLOCK
AD1/2 ; DIGITAL AUDIO CH-1/2 DATA
AD3/4 ; DIGITAL AUDIO CH-3/4 DATA
BCK ; DIGITAL AUDIO BIT CLOCK (=64 x Fs)
C1/2 ; DIGITAL AUDIO CH-1/2 CHANNEL STATUS BIT
C3/4 ; DIGITAL AUDIO CH-3/4 CHANNEL STATUS BIT
$\overline{\text{OEAUX}}$; OUTPUT ENABLE FOR AUX0–9 (L)
U1/2 ; DIGITAL AUDIO CH-1/2 USER DATA BIT
U3/4 ; DIGITAL AUDIO CH-3/4 USER DATA BIT
V1/2 ; DIGITAL AUDIO CH-1/2 VALIDITY FLAG
V3/4 ; DIGITAL AUDIO CH-3/4 VALIDITY FLAG
VCK ; VIDEO CLOCK (=4Fsc) INPUT
Z1/2 ; DIGITAL AUDIO CH-1/2 BLOCK SYNC (Z-FLAG)
Z3/4 ; DIGITAL AUDIO CH-3/4 BLOCK SYNC (Z-FLAG)

INPUT (WITH PULL-UP REGISTER)

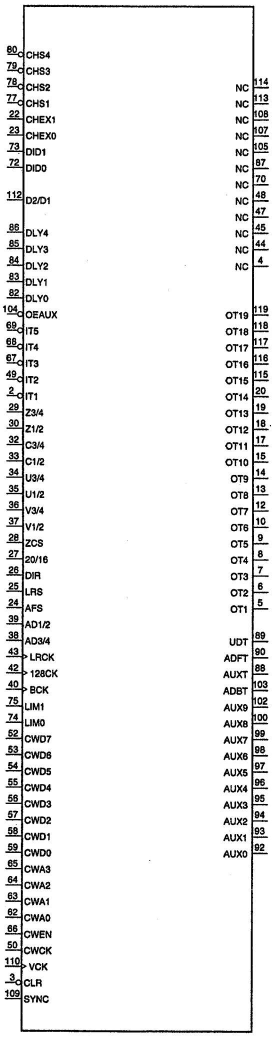
20/16 ; DIGITAL AUDIO 20BIT/16BIT SELECT
AFS ; DIGITAL AUDIO FORMAT SELECT
CHEX0, 1 ; CHANNEL EXCHANGE 0, 1
$\overline{\text{CHS1}}$ - $\overline{\text{CHS4}}$; AUDIO CH1–CH4 OUTPUT SELECT (L)
$\overline{\text{CLR}}$; POWER ON CLEAR (L)
CWA0 - CWA3 ; CHANNEL STATUS REGISTER WRITE ADDRESS 0 - 3
CWCK ; CHANNEL STATUS REGISTER WRITE CLOCK
CWD0 - CWD7 ; CHANNEL STATUS REGISTER WRITE DATA 0 - 7
CWEN ; CHANNEL STATUS REGISTER WRITE ENABLE
D2/D1 ; VIDEO FORMAT D2/D1 SELECT
DID0, 1 ; DATA ID BIT0, 1
DIR ; DIGITAL AUDIO MSB FIRST/LSB FIRST SELECT
DLY0 - DLY4 ; DELAY CONTROL BIT0 - BIT3
$\overline{\text{IT1}}$ - $\overline{\text{IT5}}$; TEST (L)
LIM0, 1 ; LINE MODE 0, 1
LRCK ; DIGITAL AUDIO L/R CLOCK (=Fs)
LRS ; DIGITAL AUDIO LEFT/RIGHT BIT POSITION SELECT
SYNC ; VIDEO SYNC INPUT
ZCS ; DIGITAL AUDIO Z-FLAG C-BIT SELECT

OUTPUT

ADBT ; AUX. DATA BLOCK TIMING
ADFT ; AUX. DATA FLAG TIMING
AUXT ; AUX. DATA TIMING
OT1 = OT19 ; TEST
UDT ; USER DATA TIMING

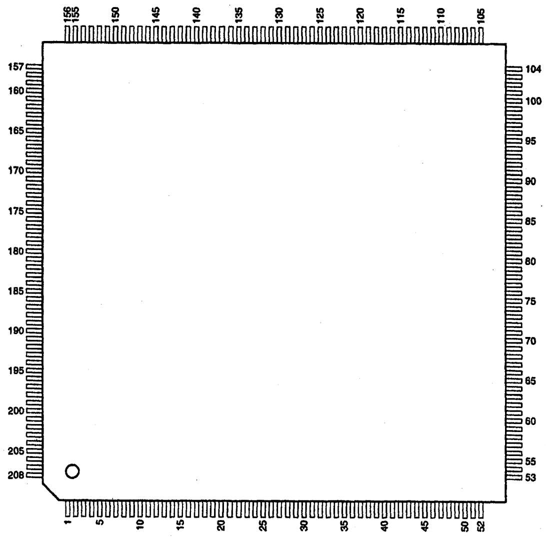
OUTPUT (TRI-STATE)

AUX0 - AUX9 ; AUX. DATA 0 - 9


80 CHS4
79 CHS3
78 CHS2
77 CHS1
22 CHEX1
23 CHEX0
73 DID1
72 DID0
112 D2/D1
86 DLY4
85 DLY3
84 DLY2
83 DLY1
82 DLY0
104 OEAUX
69 IT5
68 IT4
67 IT3
49 IT2
2 IT1
29 Z3/4
30 Z1/2
32 C3/4
33 C1/2
34 U3/4
35 U1/2
36 V3/4
37 V1/2
28 ZCS
27 20/16
26 DIR
25 LRS
24 AFS
39 AD1/2
38 AD3/4
43 LRCK
42 128CK
40 BCK
75 LIM1
74 LIM0
52 CWD7
53 CWD6
54 CWD5
55 CWD4
56 CWD3
57 CWD2
58 CWD1
59 CWD0
65 CWA3
64 CWA2
63 CWA1
62 CWA0
66 CWEN
50 CWCK
110 VCK
3 CLR
109 SYNC
NC 114
NC 113
NC 108
NC 107
NC 105
NC 87
NC 70
NC 48
NC 47
NC 45
NC 44
NC 4
OT19 119
OT18 118
OT17 117
OT16 116
OT15 115
OT14 20
OT13 19
OT12 18
OT11 17
OT10 15
OT9 14
OT8 13
OT7 12
OT6 10
OT5 9
OT4 8
OT3 7
OT2 6
OT1 5
UDT 89
ADFT 90
AUXT 88
ADBT 103
AUX9 102
AUX8 100
AUX7 99
AUX6 98
AUX5 97
AUX4 96
AUX3 95
AUX2 94
AUX1 93
AUX0 92

CXD8806R (SONY)

BIT REDUCTION ENCODER & ERROR CORRECTION CODER
—TOP VIEW—



INPUTS
CKI : 27 MHz CLOCK
CNT1, CNT2 : WRITE ENABLE DELAY CONTROL 1, 2
CSX : SYSTEM CONTROL CHIP SELECT
IACK : 64FS CLOCK
IAD0, IAD1 : AUDIO 1/2, 3/4 CHANNEL
IAF0 - IAF2 : AUDIO 5F0 - 5F2
IAF3 : AUDIO 5F PARITY
IAFS : FS
IAV0, IAV1 : AUDIO V0, V1
ICFI : CFI
IDIN0 - IDIN9 : INPUT DATA
IFLD : REC ENABLE SELECT
IHD : HD
$\overline{\text{IOEE}}$: ECC MEMORY I/O CONTROL
IPCK : 16 MHz CLOCK
IPRY : PARITY
IR2F : REFERENCE FRAME
IREN : INTERNAL RAM ENABLE
IRF0, IRF2 : TRACK START FOR VIDEO 1, 2
IRF1 : TRACK START FOR AUDIO
$\overline{\text{IRWI}}$: SHUFFLING MEMORY I/O CONTROL
ISG0, ISG1 : TRACK SEGMENT 0, 1
IVD : VD
$\overline{\text{IWEI}}$: WRITE ENABLE PULSE
IWENM0 : WRITE ENABLE WIDTH CONTROL
IWENM1 : WRITE ENABLE DELAY CONTROL
RESETI : SYSTEM RESET
STRBX : SYSTEM CONTROL STROBE
STTSX0, STTSX1 : SYSTEM CONTROL STATUS 0, 1
TEST : IC TEST PIN

OUTPUTS
AE0 - AE21 : ECC MEMORY ADDRESS
OAOTM0 - OAOTM18 : SHUFFLING MEMORY ADDRESS
OCRCOT : CRC VERIFY
$\overline{\text{OCS0}}$ - $\overline{\text{OCS3}}$: SHUFFLING MEMORY CHIP SELECT 0 - 3 FOR 1M
$\overline{\text{OCS4}}$: SHUFFLING MEMORY CHIP SELECT FOR 4M
$\overline{\text{OEE0}}$: ECC MEMORY I/O CONTROL
$\overline{\text{OEE1}}$: ECC MEMORY OUTPUT ENABLE
$\overline{\text{OOE}}$: SHUFFLING MEMORY OUTPUT ENABLE
$\overline{\text{OOEX}}$: SHUFFLING MEMORY I/O CONTROL OUT 1
OPRY : RF ENABLE
ORA1, ORB1 : TRACK END FOR AC, BD CHANNEL VIDEO 0
ORA2, ORB2 : TRACK END FOR AC, BD CHANNEL AUDIO
ORCA, ORCB, ORCC, ORCD : REC ENABLE A, B, C, D
OTA0 - OTA3 : AC CHANNEL RF 0 - 3
OTB0 - OTB3 : BD CHANNEL RF 0 - 3
$\overline{\text{OWE0}}$: SHUFFLING MEMORY WRITE ENABLE
$\overline{\text{OWE1}}$: SHUFFLING MEMORY I/O CONTROL OUT 2
OWENM0 : WRITE ENABLE WIDTH CONTROL
OWENM1 : WRITE ENABLE DELAY CONTROL
$\overline{\text{OWEO}}$: WRITE ENABLE

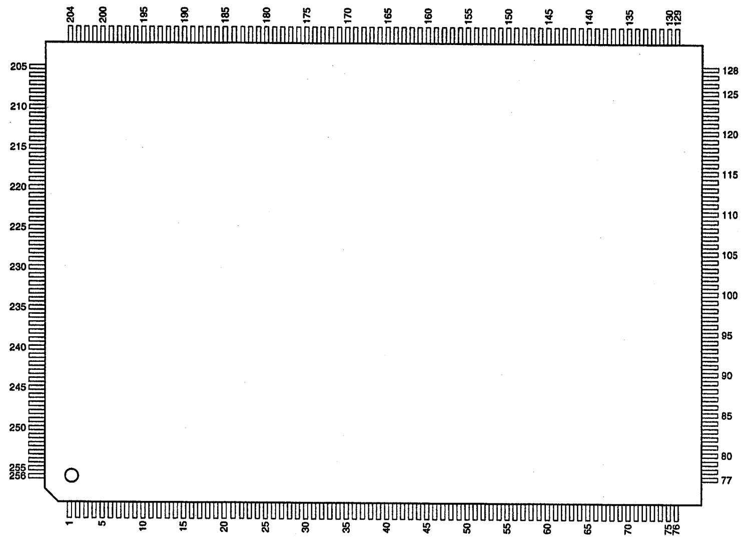
INPUTS/OUTPUTS
BE0 - BE15 : ECC MEMORY I/O
DADX0 - DADX7 : SYSTEM CONTROL BUS
HDM0 - HDM19 : SHUFFLING MEMORY

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	HDM16	53	O	OAOTM18	105	O	AE11	157	I	IACK
2	I/O	HDM17	54	—	V_{DD}	106	O	AE12	158	I	RESETI
3	—	GND	55	—	GND	107	—	GND	159	I	IAV0
4	I/O	HDM18	56	I	STTSX0	108	O	AE13	160	I	IAV1
5	I/O	HDM19	57	I	STTSX1	109	O	AE14	161	I	IAF0
6	O	$\overline{\text{OCS0}}$	58	I	CSX	110	O	AE15	162	I	IAF1
7	O	$\overline{\text{OCS1}}$	59	I	STRBX	111	O	AE16	163	I	CNT1
8	O	$\overline{\text{OCS4}}$	60	—	GND	112	O	AE17	164	—	GND
9	I	TEST	61	—	V_{DD}	113	O	AE18	165	—	V_{DD}
10	—	V_{DD}	62	I/O	DADX0	114	—	V_{DD}	166	I	CNT2
11	O	$\overline{\text{OCS2}}$	63	I/O	DADX1	115	O	AE19	167	O	$\overline{\text{OWEO}}$
12	O	$\overline{\text{OCS3}}$	64	I/O	DADX2	116	O	AE20	168	I	IAF2
13	O	$\overline{\text{OOEX}}$	65	I/O	DADX3	117	O	AE21	169	I	IAF3
14	O	$\overline{\text{OOE}}$	66	I/O	DADX4	118	O	$\overline{\text{OEE0}}$	170	I	IREN
15	—	GND	67	I/O	DADX5	119	—	GND	171	I	IVD
16	O	$\overline{\text{OWE0}}$	68	I/O	DADX6	120	O	$\overline{\text{OEE1}}$	172	I	IHD
17	O	$\overline{\text{OWE1}}$	69	I/O	DADX7	121	I/O	BE0	173	I	IPRY
18	O	OWENM1	70	—	V_{DD}	122	I/O	BE1	174	I	ICFI
19	O	OWENM0	71	O	OTA0	123	I/O	BE2	175	I	$\overline{\text{IWEI}}$
20	—	V_{DD}	72	—	GND	124	I/O	BE3	176	—	GND
21	I	IWENM1	73	O	OTA1	125	I/O	BE4	177	I	CKI
22	I	IWENM0	74	O	OTA2	126	I/O	BE5	178	I	IDIN0
23	—	GND	75	O	OTA3	127	I/O	BE6	179	I	IDIN1
24	O	OAOTM0	76	O	OTB0	128	I/O	BE7	180	I	IDIN2
25	O	OAOTM1	77	O	OTB1	129	I/O	BE8	181	I	IDIN3
26	—	GND	78	O	OTB2	130	—	GND	182	I	IDIN4
27	—	V_{DD}	79	—	V_{DD}	131	—	V_{DD}	183	—	V_{DD}
28	O	OAOTM2	80	O	OTB3	132	I/O	BE9	184	I	IDIN5
29	O	OAOTM3	81	O	ORCA	133	I/O	BE10	185	I	IDIN6
30	O	OAOTM4	82	O	ORCB	134	I/O	BE11	186	I	IDIN7
31	—	GND	83	O	ORCC	135	I/O	BE12	187	I	IDIN8
32	—	V_{DD}	84	—	V_{DD}	136	I/O	BE13	188	I	IDIN9
33	O	OAOTM5	85	—	GND	137	I/O	BE14	189	—	GND
34	O	OAOTM6	86	I	IPCK	138	I/O	BE15	190	I	$\overline{\text{IRWI}}$
35	—	GND	87	—	GND	139	O	OCRCOT	191	I/O	HDM0
36	O	OAOTM7	88	—	V_{DD}	140	O	ORA1	192	I/O	HDM1
37	O	OAOTM8	89	O	ORCD	141	O	ORA2	193	I/O	HDM2
38	—	GND	90	O	OPRY	142	—	GND	194	I/O	HDM3
39	—	V_{DD}	91	O	AE0	143	O	ORB1	195	I/O	HDM4
40	O	OAOTM9	92	O	AE1	144	O	ORB2	196	I/O	HDM5
41	O	OAOTM10	93	O	AE2	145	I	IRF0	197	I/O	HDM6
42	O	OAOTM11	94	O	AE3	146	I	IRF1	198	I/O	HDM7
43	—	V_{DD}	95	I	$\overline{\text{IOEE}}$	147	—	V_{DD}	199	I/O	HDM8
44	—	GND	96	—	GND	148	I	IRF2	200	—	GND
45	O	OAOTM12	97	—	V_{DD}	149	I	IFLD	201	—	V_{DD}
46	O	OAOTM13	98	O	AE4	150	I	ISG0	202	I/O	HDM9
47	O	OAOTM14	99	O	AE5	151	I	ISG1	203	I/O	HDM10
48	O	OAOTM15	100	O	AE6	152	I	IR2F	204	I/O	HDM11
49	—	V_{DD}	101	O	AE7	153	I	IAD0	205	I/O	HDM12
50	—	GND	102	O	AE8	154	—	GND	206	I/O	HDM13
51	O	OAOTM16	103	O	AE9	155	I	IAFS	207	I/O	HDM14
52	O	OAOTM17	104	O	AE10	156	I	IAD1	208	I/O	HDM15

CXD8807BR (SONY)

BIT REDUCTION DECODER & VIDEO ERROR CONCEALMENT

—TOP VIEW—



INPUTS

CKI : 27 MHz CLOCK
CNT1, CNT2 : WRITE ENABLE DELAY CONTROL 1, 2
CSX : SYSTEM CONTROL CHIP SELECT
FFCI0 0 - FFCI0 7 : CONCEAL MEMORY 0C
FFCI1 0 - FFCI1 7 : CONCEAL MEMORY 1C
FFLI0 0 - FFLI0 3 : CONCEAL MEMORY 2 IN 0
FFLI1 0 - FFLI1 7 : CONCEAL MEMORY 2 IN 1
FFYI0 0 - FFYI0 7 : CONCEAL MEMORY 0Y
FFYI1 0 - FFYI1 7 : CONCEAL MEMORY 1Y
IADVV : READ START V
ICKHI : 13.5 MHz CLOCK
ICRCIN : VERIFY CRC
IDED0 - IDED7 : A CHANNEL INPUT DATA
IDEEF, IPPEF : A, B CHANNEL INPUT ERROR FLAG
IDEPRY, IPPPRY : A, B CHANNEL INPUT PARITY
IDESY, IPPSY : A, B CHANNEL INPUT SYNC
IPPD0 - IPPD7 : B CHANNEL INPUT DATA
IREN : INTERNAL RAM ENABLE
$\overline{\text{IRWI}}$: SHUFFLING MEMORY I/O CONTROL
IWEI : WRITE ENABLE PULSE
IWENM0 : WRITE ENABLE WIDTH CONTROL
IWENM1 : WRITE ENABLE DELAY CONTROL
RESETI : SYSTEM RESET
STRBX : SYSTEM STROBE
STTSX0, STTSX1 : SYSTEM CONTROL STATUS 0, 1
TEST : IC TEST PIN

OUTPUTS

AUXRDY : AUX DATA READ ENABLE
FCCK : CONCEAL MEMORY CLOCK
FFCO0 - FFCO7 : CONCEAL MEMORY OC
FFLO0 - FFLO7 : CONCEAL MEMORY 2 OUT
$\overline{\text{FFWEN}}$: CONCEAL MEMORY WRITE ENABLE
FFYO0 - FFYO7 : CONCEAL MEMORY OY
OAOTM0 - OAOTM18 : SHUFFLING MEMORY ADDRESS
OCFOO : ADVANCED CFO
OCFIF : CFI
OHD : HD
$\overline{\text{OOE}}$: SHUFFLING MEMORY OUTPUT ENABLE
OOEX : SHUFFLING MEMORY I/O CONTROL OUT 1
$\overline{\text{OCS0}}$ - $\overline{\text{OCS3}}$: SHUFFLING MEMORY CHIP SELECT 0 - 3 FOR 1M
$\overline{\text{OCS4}}$: SHUFFLING MEMORY CHIP SELECT FOR 4M
OVD : VD
OVDT0 - OVDT9 : OUTPUT DATA
OVPRY : PARITY
$\overline{\text{OWE0}}$: SHUFFLING MEMORY WRITE ENABLE
$\overline{\text{OWE1}}$: SHUFFLING MEMORY I/O CONTROL OUT 2
OWENM0 : WRITE ENABLE WIDTH CONTROL
OWENM1 : WRITE ENABLE DELAY CONTROL
OWEO : WRITE ENABLE
VCL1R : CONCEAL MEMORY RESET READ
VCL1W : CONCEAL MEMORY RESET WRITE
VCL2R1, VCL2R2 : CONCEAL MEMORY 2 RESET READ 1, 2
VCL2W : CONCEAL MEMORY 2 RESET WRITE
VCLOR1C, VCLOR1Y : CONCEAL MEMORY OC, OY RESET READ 1
VCLOR2 : CONCEAL MEMORY 0 RESET READ 2
VCLOW : CONCEAL MEMORY 0 RESET WRITE

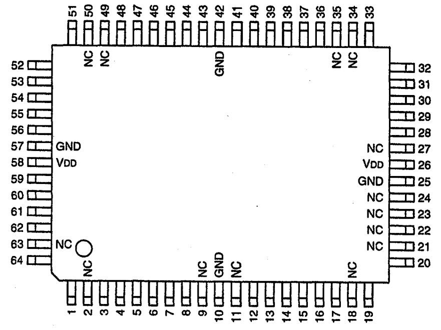
INPUTS/OUTPUTS

DADX0 - DADX7 : SYSTEM CONTROL BUS
HDM0 - HDM19 : SHUFFLING MEMORY

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	DADX0	65	—	GND	129	I	FFYI0 7	193	—	GND
2	I/O	DADX1	66	—	V_{DD}	130	I	FFCI0 0	194	—	V_{DD}
3	I/O	DADX2	67	O	$\overline{\text{OWE1}}$	131	I	FFCI0 1	195	O	VCL2R2
4	—	NC	68	O	OWENM1	132	—	NC	196	O	VCL2W
5	—	NC	69	O	OWENM0	133	—	NC	197	O	OCFOO
6	I/O	DADX3	70	I	IWENM1	134	I	FFCI0 2	198	O	OVD
7	I/O	DADX4	71	I	IWENM0	135	I	FFCI0 3	199	O	OHD
8	I/O	DADX5	72	—	NC	136	I	FFCI0 4	200	O	AUXRDY
9	I/O	DADX6	73	—	NC	137	I	FFCI0 5	201	—	NC
10	I/O	DADX7	74	I/O	HDM0	138	O	$\overline{\text{FFWEN}}$	202	O	OCFIF
11	—	GND	75	I/O	HDM1	139	—	GND	203	O	OVPRY
12	—	V_{DD}	76	I/O	HDM2	140	—	V_{DD}	204	O	OVDT0
13	I	STTSX0	77	I/O	HDM3	141	I	FFCI0 6	205	O	OVDT1
14	I	STTSX1	78	I/O	HDM4	142	I	FFCI0 7	206	O	OVDT2
15	I	CSX	79	—	GND	143	O	VCL1W	207	—	GND
16	I	STRBX	80	—	V_{DD}	144	O	VCL1R	208	—	V_{DD}
17	—	GND	81	I/O	HDM5	145	O	FFYO0	209	O	OVDT3
18	—	V_{DD}	82	I/O	HDM6	146	O	FFYO1	210	O	OVDT4
19	I	TEST	83	I/O	HDM7	147	O	FFYO2	211	O	OVDT5
20	O	OAOTM0	84	I/O	HDM8	148	O	FFYO3	212	O	OVDT6
21	—	GND	85	I/O	HDM9	149	O	FFYO4	213	O	OVDT7
22	O	OAOTM1	86	I/O	HDM10	150	O	FFYO5	214	O	OVDT8
23	O	OAOTM2	87	I/O	HDM11	151	O	FCCK	215	O	OVDT9
24	—	GND	88	I/O	HDM12	152	—	GND	216	O	OWEO
25	—	V_{DD}	89	I	$\overline{\text{IRWI}}$	153	—	V_{DD}	217	I	CNT2
26	O	OAOTM3	90	—	GND	154	O	FFYO6	218	—	GND
27	O	OAOTM4	91	—	V_{DD}	155	O	FFYO7	219	—	V_{DD}
28	—	GND	92	I/O	HDM13	156	O	FFCO0	220	—	NC
29	O	OAOTM5	93	I/O	HDM14	157	O	FFCO1	221	—	NC
30	O	OAOTM6	94	I/O	HDM15	158	O	FFCO2	222	—	NC
31	—	GND	95	I/O	HDM16	159	O	FFCO3	223	I	IREN
32	—	V_{DD}	96	I/O	HDM17	160	O	FFCO4	224	I	RESETI
33	O	OAOTM7	97	I/O	HDM18	161	O	FFCO5	225	—	V_{DD}
34	O	OAOTM8	98	I/O	HDM19	162	O	FFCO6	226	I	IDESY
35	—	GND	99	I	IADVV	163	O	FFCO7	227	I	IDEPRY
36	O	OAOTM9	100	I	ICRCIN	164	O	VCLOW	228	I	IDEEF
37	O	OAOTM10	101	I	FFYI1 0	165	—	V_{DD}	229	I	IWEI
38	—	GND	102	—	GND	166	—	GND	230	—	GND
39	—	V_{DD}	103	I	FFYI1 1	167	O	VCLOR2	231	I	CKI
40	O	OAOTM11	104	I	FFYI1 2	168	O	VCLOR1Y	232	I	IDED0
41	O	OAOTM12	105	I	FFYI1 3	169	O	VCLOR1C	233	I	IDED1
42	—	GND	106	I	FFYI1 4	170	I	FFLI0 0	234	I	IDED2
43	O	OAOTM13	107	I	FFYI1 5	171	I	FFLI0 1	235	I	IDED3
44	O	OAOTM14	108	I	FFYI1 6	172	I	FFLI0 2	236	I	IDED4
45	—	V_{DD}	109	I	FFYI1 7	173	I	FFLI0 3	237	I	IDED5
46	—	GND	110	I	FFCI1 0	174	I	FFLI1 0	238	I	IDED6
47	O	OAOTM15	111	I	FFCI1 1	175	I	FFLI1 1	239	I	IDED7
48	O	OAOTM16	112	I	FFCI1 2	176	I	FFLI1 2	240	I	IPPSY
49	—	GND	113	I	FFCI1 3	177	I	FFLI1 3	241	I	CNT1
50	O	OAOTM17	114	—	GND	178	I	FFLI1 4	242	—	GND
51	O	OAOTM18	115	—	V_{DD}	179	I	FFLI1 5	243	—	V_{DD}
52	—	GND	116	I	FFCI1 4	180	—	GND	244	I	IPPPRY
53	—	V_{DD}	117	I	FFCI1 5	181	—	V_{DD}	245	I	IPPEF
54	O	OOEX	118	I	FFCI1 6	182	I	FFLI1 6	246	I	IPPD0
55	O	$\overline{\text{OOE}}$	119	I	FFCI1 7	183	I	FFLI1 7	247	I	IPPD1
56	—	GND	120	I	FFYI0 0	184	O	FFLO0	248	I	IPPD2
57	—	V_{DD}	121	I	FFYI0 1	185	O	FFLO1	249	I	IPPD3
58	O	$\overline{\text{OCS4}}$	122	I	FFYI0 2	186	O	FFLO2	250	I	IPPD4
59	O	$\overline{\text{OCS3}}$	123	I	FFYI0 3	187	O	FFLO3	251	I	IPPD5
60	—	GND	124	I	FFYI0 4	188	O	FFLO4	252	I	ICKHI
61	O	$\overline{\text{OCS2}}$	125	—	GND	189	O	FFLO5	253	—	GND
62	O	$\overline{\text{OCS1}}$	126	—	V_{DD}	190	O	FFLO6	254	—	V_{DD}
63	O	$\overline{\text{OCS0}}$	127	I	FFYI0 5	191	O	FFLO7	255	I	IPPD6
64	O	$\overline{\text{OWE0}}$	128	I	FFYI0 6	192	O	VCL2R1	256	I	IPPD7

CXD8815Q (SONY)

C-MOS VITERBI DECODER
—TOP VIEW—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VDD
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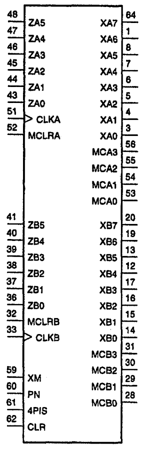
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ZA5
ZA4
ZA3
ZA2
ZA1
ZA0
CLKA
MCLRA
XA7
XA6
XA5
XA4
XA3
XA2
XA1
XA0
MCA3
MCA2
MCA1
MCA0
64
1
8
7
6
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37
36
32
33
ZB5
ZB4
ZB3
ZB2
ZB1
ZB0
MCLRB
CLKB
XB7
XB6
XB5
XB4
XB3
XB2
XB1
XB0
MCB3
MCB2
MCB1
MCB0
20
19
13
12
17
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15
14
31
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59
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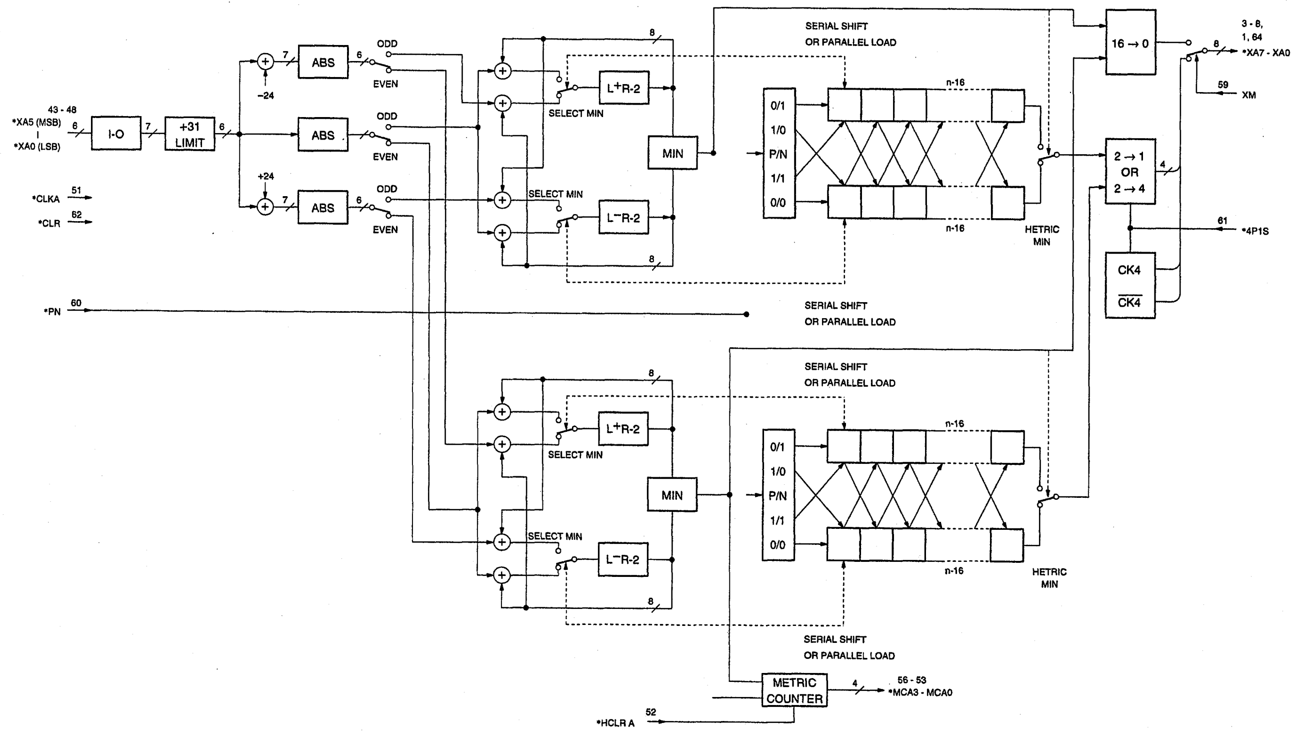
61
62
XM
PN
4PIS
CLR

CHANNEL A
CLKA ; CLOCK OF CHANNEL A
MCA0 - 3 ; 4 BIT METRIC COUNTER OF CHANNEL A
MCLRA ; METRIC COUNTER CLEAR OF CHANNEL A
XA0 - 7 ; 8 BIT CHANNEL A OUT
ZA0 - 5 ; 6 BIT CHANNEL A IN

CHANNEL B
CLKB ; CLOCK OF CHANNEL B
MCB0 - 3 ; 4 BIT METRIC COUNTER OF CHANNEL B
MCLRB ; METRIC COUNTER CLEAR OF CHANNEL B
XB0 - 7 ; 8 BIT CHANNEL B OUT
ZB0 - 5 ; 6 BIT CHANNEL B IN

OTHERS
CLR ; ALL CLEAR
PN ; SELECTOR OF PR (1, 0, -1) & NRZ
XM ; SELECTOR OF DECODE & METRIC OUT
4PIS ; SELECTOR OF 4 PARALLEL & SERIAL DATA

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	OUT	XA6	17	OUT	XB3	33	IN	CLKB	49	—	NC
2	—	NC	18	—	NC	34	—	NC	50	—	NC
3	OUT	XA0	19	OUT	XB6	35	—	NC	51	IN	CLKA
4	OUT	XA1	20	OUT	XB7	36	IN	ZB0	52	IN	MCLRA
5	OUT	XA2	21	—	NC	37	IN	ZB1	53	OUT	MCA0
6	OUT	XA3	22	—	NC	38	IN	ZB2	54	OUT	MCA1
7	OUT	XA4	23	—	NC	39	IN	ZB3	55	OUT	MCA2
8	OUT	XA5	24	—	NC	40	IN	ZB4	56	OUT	MCA3
9	—	NC	25	—	GND	41	IN	ZB5	57	—	GND
10	—	GND	26	—	VDD	42	—	GND	58	—	VDD
11	—	NC	27	—	NC	43	IN	ZA0	59	IN	XM
12	OUT	XB4	28	OUT	MCB0	44	IN	ZA1	60	IN	PN
13	OUT	XB5	29	OUT	MCB1	45	IN	ZA2	61	IN	4P1S
14	OUT	XB0	30	OUT	MCB2	46	IN	ZA3	62	IN	CLR
15	OUT	XB1	31	OUT	MCB3	47	IN	ZA4	63	—	NC
16	OUT	XB2	32	IN	MCLRB	48	IN	ZA5	64	OUT	XA7

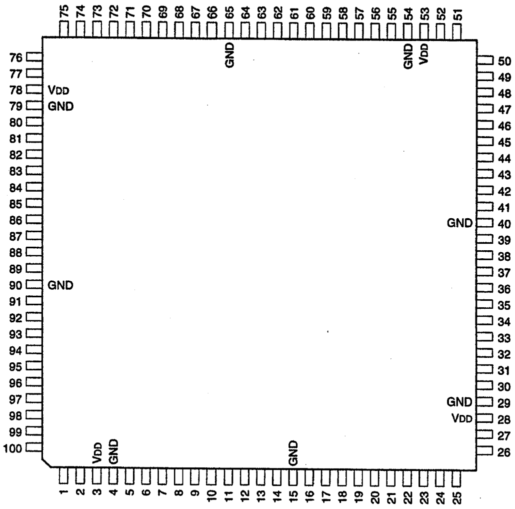

43 - 48
*XA5 (MSB)
I
*XA0 (LSB)
6
I-O
7
+31
LIMIT
6
-24
+24
7
ABS
6
ODD
EVEN
ABS
ODD
EVEN
7
ABS
6
ODD
EVEN
51
*CLKA
52
*CLR
60
*PN
8
L+R-2
SELECT MIN
MIN
SELECT MIN
L−R-2
8
SERIAL SHIFT
OR PARALLEL LOAD
0/1
1/0
P/N
1/1
0/0
n-16
n-16
HETRIC
MIN
SERIAL SHIFT
OR PARALLEL LOAD
16 → 0
8
3 - 8,
1, 64
*XA7 - XA0
59
XM
2 → 1
OR
2 → 4
4
61
*4P1S
CK4
CK4
8
L+R-2
SELECT MIN
MIN
SELECT MIN
L−R-2
8
SERIAL SHIFT
OR PARALLEL LOAD
0/1
1/0
P/N
1/1
0/0
n-16
n-16
HETRIC
MIN
SERIAL SHIFT
OR PARALLEL LOAD
METRIC
COUNTER
4
56 - 53
*MCA3 - MCA0
52
*HCLR A

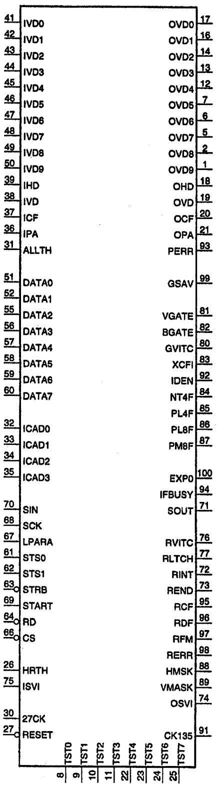
* ; B channel BLOCK is the same as A channel BLOCK

CXD8820AR (SONY)

C-MOS VITC READER GENERATOR

—TOP VIEW—


75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51
GND
GND
VDD
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
VDD
GND
GND
50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26
GND
GND
VDD
VDD
GND
GND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25


41 IVD0
42 IVD1
43 IVD2
44 IVD3
45 IVD4
46 IVD5
47 IVD6
48 IVD7
49 IVD8
50 IVD9
39 IHD
38 IVD
37 ICF
36 IPA
31 ALLTH
51 DATA0
52 DATA1
55 DATA2
56 DATA3
57 DATA4
58 DATA5
59 DATA6
60 DATA7
32 ICAD0
33 ICAD1
34 ICAD2
35 ICAD3
70 SIN
68 SCK
67 LPARA
61 STS0
62 STS1
63 STRB
69 START
64 RD
66 CS
26 HRTH
75 ISVI
30 27CK
27 RESET
OVD0 17
OVD1 16
OVD2 14
OVD3 13
OVD4 12
OVD5 7
OVD6 6
OVD7 5
OVD8 2
OVD9 1
OHD 18
OVD 19
OCF 20
OPA 21
PERR 93
GSAV 99
VGATE 81
BGATE 82
GVITC 80
XCFI 83
IDEN 92
NT4F 84
PL4F 85
PL8F 86
PM8F 87
EXP0 100
IFBUSY 94
SOUT 71
RVITC 76
RLTCH 77
RINT 72
REND 73
RCF 95
RDF 96
RFM 97
RERR 98
HMSK 88
VMASK 89
OSVI 74
CK135 91
TST0 8
TST1 9
TST2 10
TST3 11
TST4 22
TST5 23
TST6 24
TST7 25

INPUT

27CK : 27 MHz CLOCK
ALLTH : ALL THOUGH MODE
CS : CHIP SELECT
(FOR PARALLEL INTERFACE)
HRTH : READER THOUGH MODE
ICAD0 - ICAD3 : IC ADDRESS
ICF : COLOR FRAMING
IHD : HD
IPA : PARITY
ISVI : SLICED VITC
IVD0 - IVD9 : VIDEO DATA
IVD : VD
LPARA : PARARELL INTERFACE SELECT
RD : READ (FOR PARALLEL INTERFACE)
RESET : POWER ON RESET
SCK : SERIAL INTERFACE CLOCK
SIN : SERIAL DATA
START : SERIAL INTERFACE START
STRB : STROBE
(FOR PARALLEL INTERFACE)
STS0, STS1 : STATUS 0, 1
(FOR PARALLEL INTERFACE)
TST0 - TST7 : FOR TEST 0-7

OUTPUT

BGATE : BLANKING LINE PULSE
CK135 : 13.5 MHz CLOCK
EXP0 : EXPANDED OUTPUT PORT
GSAV : (G) SAV PULSE
GVITC : GNENRATED VITC
HMSK : (R) VITC SEARCH LINE
IDEN : IC INTERFACE ENABLE
IFBUSY : INTERFACE BUSY
NT4F : NTSC 4FIELD
OCF : COLOR FRAMING
OHD : HD
OPA : PARITY
OSVI : SLICED VITC
OVD0 - OVD9 : VIDEO DATA
OVD : VD
PERR : PARITY ERROR
PL4F : PAL 4FIELD
PL8F : PAL 8FIELD
PM8M : PALM 8FIELD
RCF : READ COLOR FRAME BIT
RDF : READ DROP FRAME BIT
REND : READ END
RERR : READ ERROR SIGNAL
RFM : READ FEILD MARK BIT
RINT : READ END INTERRUPT
RLTCH : READ VITC LATCH PULSE
RVITC : READ VITC
SOUT : SERIAL DATA
VGATE : INSERT LINE PULSE
VMASK : (R) EAV_SAV MASK PULSE
XCFI : COLOR FRAMING INFORMATION

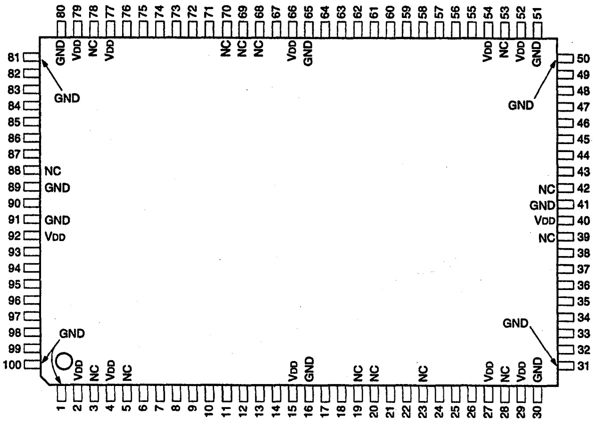
INPUT/OUTPUT

DATA0 - DATA7 : PARARELL INTERFACE DATA BUS

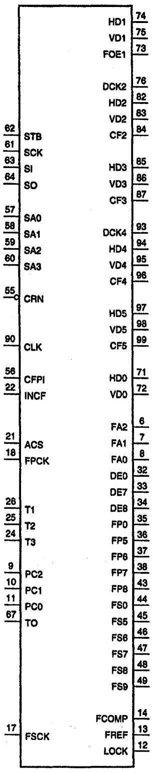
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	OVD9	26	I	HRTH	51	I/O	DATA0	76	O	RVITC
2	O	OVD8	27	I	$\overline{\text{RESET}}$	52	I/O	DATA1	77	O	RLTCH
3	—	VDD	28	—	VDD	53	—	VDD	78	—	VDD
4	—	GND	29	—	GND	54	—	GND	79	—	GND
5	O	OVD7	30	I	27CK	55	I/O	DATA2	80	O	GVITC
6	O	OVD6	31	I	ALLTH	56	I/O	DATA3	81	O	VGATE
7	O	OVD5	32	I	ICAD0	57	I/O	DATA4	82	O	BGATE
8	I	TST0	33	I	ICAD1	58	I/O	DATA5	83	O	XCFI
9	I	TST1	34	I	ICAD2	59	I/O	DATA6	84	O	NT4F
10	I	TST2	35	I	ICAD3	60	I/O	DATA7	85	O	PL4F
11	I	TST3	36	I	IPA	61	I	STS0	86	O	PL8F
12	O	OVD4	37	I	ICF	62	I	STS1	87	O	PM8F
13	O	OVD3	38	I	IVD	63	I	$\overline{\text{STRB}}$	88	O	HMSK
14	O	OVD2	39	I	IHD	64	I	$\overline{\text{RD}}$	89	O	VMASK
15	—	GND	40	—	GND	65	—	GND	90	—	GND
16	O	OVD1	41	I	IVD0	66	I	$\overline{\text{CS}}$	91	O	CK135
17	O	OVD0	42	I	IVD1	67	I	LPARA	92	O	IDEN
18	O	OHD	43	I	IVD2	68	I	SCK	93	O	PERR
19	O	OVD	44	I	IVD3	69	I	START	94	O	IFBUSY
20	O	OCF	45	I	IVD4	70	I	SIN	95	O	RCF
21	O	OPA	46	I	IVD5	71	O	SOUT	96	O	RDF
22	I	TST4	47	I	IVD6	72	O	RINT	97	O	RFM
23	I	TST5	48	I	IVD7	73	O	REND	98	O	RERR
24	I	TST6	49	I	IVD8	74	O	OSVI	99	O	G SAV
25	I	TST7	50	I	IVD9	75	I	ISVI	100	O	EXP0

CXD8821Q (SONY)

C-MOS AUDIO TIMING GENERATOR
—TOP VIEW—

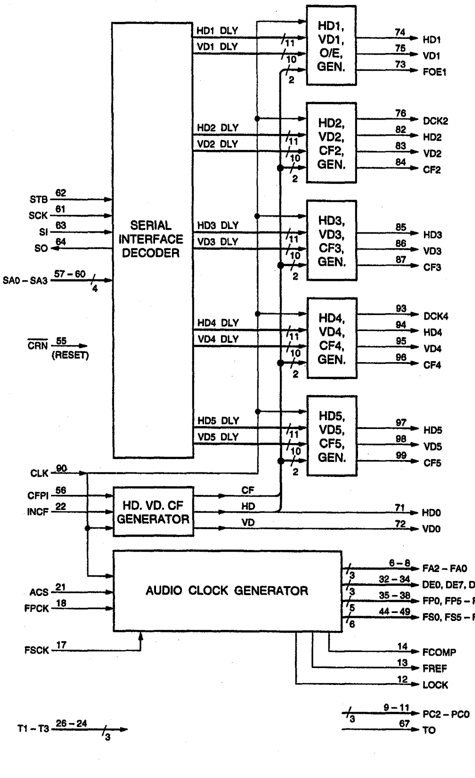

GND
VDD
NC
VDD
NC
NC
NC
VDD
GND
VDD
NC
VDD
GND
GND
GND
NC
GND
GND
VDD
NC
GND
VDD
NC
GND
GND
VDD
NC
VDD
NC
VDD
GND
NC
NC
NC
VDD
NC
VDD
GND

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	GND	26	I	T1	51	—	GND	76	O	DCK2
2	—	VDD	27	—	VDD	52	—	VDD	77	—	VDD
3	—	NC	28	—	NC	53	—	NC	78	—	NC
4	—	VDD	29	—	VDD	54	—	VDD	79	—	VDD
5	—	NC	30	—	GND	55	I	CRN	80	—	GND
6	O	FA2	31	—	GND	56	I	CFPI	81	—	GND
7	O	FA1	32	O	DE0	57	I	SA0	82	O	HD2
8	O	FA0	33	O	DE7	58	I	SA1	83	O	VD2
9	O	PC2	34	O	DE8	59	I	SA2	84	O	CF2
10	O	PC1	35	O	FP0	60	I	SA3	85	O	HD3
11	O	PC0	36	O	FP5	61	I	SCK	86	O	VD3
12	O	LOCK	37	O	FP6	62	I	STB	87	O	CF3
13	O	FREF	38	O	FP7	63	I	SI	88	—	NC
14	O	FCOMP	39	—	NC	64	O	SO	89	—	GND
15	—	VDD	40	—	VDD	65	—	GND	90	I	CLK
16	—	GND	41	—	GND	66	—	VDD	91	—	GND
17	I	FSCK	42	—	NC	67	O	TO	92	—	VDD
18	I	FPCK	43	O	FP8	68	—	NC	93	O	DCK4
19	—	NC	44	O	FS0	69	—	NC	94	O	HD4
20	—	NC	45	O	FS5	70	—	NC	95	O	VD4
21	I	ACS	46	O	FS6	71	O	HD0	96	O	CF4
22	I	INCF	47	O	FS7	72	O	VD0	97	O	HD5
23	—	NC	48	O	FS8	73	O	FOE1	98	O	VD5
24	I	T3	49	O	FS9	74	O	HD1	99	O	CF5
25	I	T2	50	—	GND	75	O	VD1	100	—	GND


62 STB
61 SCK
63 SI
64 SO
57 SA0
58 SA1
59 SA2
60 SA3
55 CRN
90 CLK
56 CFPI
22 INCF
21 ACS
18 FPCK
26 T1
25 T2
24 T3
9 PC2
10 PC1
11 PC0
67 TO
17 FSCK
HD1 74
VD1 75
FOE1 73
DCK2 76
HD2 82
VD2 83
CF2 84
HD3 85
VD3 86
CF3 87
DCK4 93
HD4 94
VD4 95
CF4 96
HD5 97
VD5 98
CF5 99
HD0 71
VD0 72
FA2 6
FA1 7
FA0 8
DE0 32
DE7 33
DE8 34
FP0 35
FP5 36
FP6 37
FP7 38
FP8 43
FS0 44
FS5 45
FS6 46
FS7 47
FS8 48
FS9 49
FCOMP 14
FREF 13
LOCK 12

INPUT
ACS : H: 48 kHz AUDIO L: 44.1 kHz AUDIO
CFPI : INPUT CF PULSE
CLK : CLOCK
CRN : POWER ON RESET
FPCK : AUDIO CLOCK (256FS) FOR PROGRAM PLAY
FSCK : AUDIO CLOCK (512FS)
INCF : CF SIGNAL FOR VD2 REFORMING
SA0 – 3 : SERIAL PRESET ADDRESS
SCK : SERIAL CLOCK
SI : SERIAL INPUT DATA
STB : SERIAL START PULSE
T1 – T3 : TEST PIN FOR IC

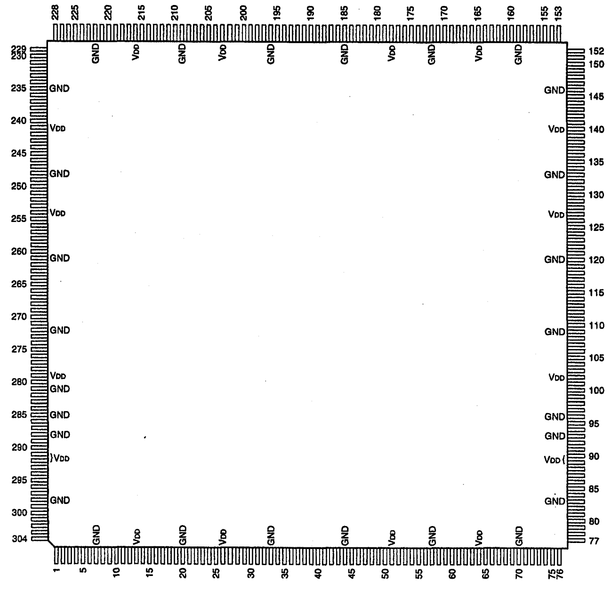
OUTPUT
CF2 : CF INFORMATION PULSE OF THE #2 GROUP (PROGRAMABLE)
CF3 : CF INFORMATION PULSE OF THE #3 GROUP (PROGRAMABLE)
CF4 : CF INFORMATION PULSE OF THE #4 GROUP (PROGRAMABLE)
CF5 : CF INFORMATION PULSE OF THE #5 GROUP (PROGRAMABLE)
DCK2 : 13.5 MHz CLOCK OF THE #2 GROUP (PROGRAMABLE)
DCK4 : 13.5 MHz CLOCK OF THE #4 GROUP (PROGRAMABLE)
DE0 – 8 : AUDIO CLOCK FOR PITCH CONTROL
FA0 – 2 : AUDIO 5-FIELD SEQ. ID
FCOMP : AUDIO CLOCK FOR PLL
FOE1 : ODD/EVEN SIGNAL OF THE #1 GROUP (PROGRAMABLE)
FP0 – 8 : AUDIO CLOCK FOR PROGRAM PLAY
FREF : REFERENCE CLOCK FOR AUDIO PLL
FS0 – 9 : AUDIO CLOCK (FS9 : 512FS)
HD0 : HD PULSE (UNPROGRAMABLE)
HD1 : HD PULSE OF THE #1 GROUP (PROGRAMABLE)
HD2 : HD PULSE OF THE #2 GROUP (PROGRAMABLE)
HD3 : HD PULSE OF THE #3 GROUP (PROGRAMABLE)
HD4 : HD PULSE OF THE #4 GROUP (PROGRAMABLE)
HD5 : HD PULSE OF THE #5 GROUP (PROGRAMABLE)
LOCK : AUDIO PLL LOCK DET
PC0 – 2 : TEST PIN FOR IC
SO : SERIAL OUTPUT DATA
TO : TEST PIN FOR IC
VD0 : VD PULSE (UNPROGRAMABLE)
VD1 : VD PULSE OF THE #1 GROUP (PROGRAMABLE)
VD2 : VD PULSE OF THE #2 GROUP (PROGRAMABLE)
VD3 : VD PULSE OF THE #3 GROUP (PROGRAMABLE)
VD4 : VD PULSE OF THE #4 GROUP (PROGRAMABLE)
VD5 : VD PULSE OF THE #5 GROUP (PROGRAMABLE)


SERIAL INTERFACE DECODER
HD1, VD1, O/E, GEN.
HD2, VD2, CF2, GEN.
HD3, VD3, CF3, GEN.
HD4, VD4, CF4, GEN.
HD5, VD5, CF5, GEN.
HD. VD. CF GENERATOR
AUDIO CLOCK GENERATOR
HD1 DLY
VD1 DLY
HD2 DLY
VD2 DLY
HD3 DLY
VD3 DLY
HD4 DLY
VD4 DLY
HD5 DLY
VD5 DLY
STB 62
SCK 61
SI 63
SO 64
SA0 – SA3 57 – 60
CRN 55 (RESET)
CLK 90
CFPI 56
INCF 22
ACS 21
FPCK 18
FSCK 17
T1 – T3 26 – 24
CF
HD
VD
74 HD1
75 VD1
73 FOE1
76 DCK2
82 HD2
83 VD2
84 CF2
85 HD3
86 VD3
87 CF3
93 DCK4
94 HD4
95 VD4
96 CF4
97 HD5
98 VD5
99 CF5
71 HD0
72 VD0
6 – 8 FA2 – FA0
32 – 34 DE0, DE7, DE8
35 – 38 FP0, FP5 – FP8
44 – 49 FS0, FS5 – FS9
14 FCOMP
13 FREF
12 LOCK
9 – 11 PC2 – PC0
67 TO

CXD8928R (SONY)

C-MOS INNER ERROR CORRECTION DECODER

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	ADVDB4	62	I	REC	123	I/O	MEMA1D1	184	O	VADATA4	245	O	MB2AD2
2	I	CNFDB0	63	O	DHBDSW	124	I/O	MEMA1D2	185	—	GND	246	O	MB2AD1
3	I	CNVDB1	64	—	V_{DD}	125	I/O	MEMA1D3	186	O	VADATA5	247	O	MB2AD0
4	I	CNFDB2	65	I	ADVDA0	126	I/O	MEMA1D4	187	O	VADATA6	248	—	GND
5	I	CNFDB3	66	I	ADVDA1	127	—	V_{DD}	188	O	VADATA7	249	I	$\overline{\text{WECN2}}$
6	I	CNFDB4	67	I	ADVDA2	128	I/O	MEMA1D5	189	O	VADATA8	250	O	$\overline{\text{MBWE}}$
7	—	GND	68	I	ADVDA3	129	I/O	MEMA1D6	190	O	F5	251	I/O	MEMB1D7
8	I	RECDB0	69	I	ADVDA4	130	I/O	MEMA1D7	191	O	AUAXS	252	I/O	MEMB1D6
9	I	RECDB1	70	—	GND	131	O	$\overline{\text{MAWE}}$	192	O	AUCH	253	I/O	MEMB1D5
10	I	RECDB2	71	I	CNFDA0	132	I	$\overline{\text{WECN1}}$	193	O	AUSYNC	254	—	V_{DD}
11	I	RECDB3	72	I	CNFDA1	133	—	GND	194	O	AUST	255	I/O	MEMB1D4
12	I	RECDB4	73	I	CNFDA2	134	O	MA2AD0	195	O	VAPRITY	256	I/O	MEMB1D3
13	—	V_{DD}	74	I	CNFDA3	135	O	MA2AD1	196	—	GND	257	I/O	MEMB1D2
14	O	FS5F0	75	I	CNFDA4	136	O	MA2AD2	197	I/O	MAXB	258	I/O	MEMB1D1
15	O	FS5F1	76	I	RECDA0	137	O	MA2AD3	198	I/O	STLBD0	259	I/O	MEMB1D0
16	O	FS5F2	77	I	RECDA1	138	O	MA2AD4	199	I/O	STLBD1	260	O	MB1AD16
17	O	FSPRTY	78	I	RECDA2	139	O	MA2AD5	200	I/O	STLBD2	261	—	GND
18	O	RST	79	I	RECDA3	140	—	V_{DD}	201	I/O	STLBD3	262	O	MB1AD15
19	I/O	SYSIO0	80	I	RECDA4	141	O	MA2AD6	202	I/O	STLBD4	263	O	MB1AD14
20	—	GND	81	I	ADVSWA	142	O	MA2AD7	203	—	V_{DD}	264	O	MB1AD13
21	I/O	SYSIO1	82	I	ADVCKA	143	O	MA2AD8	204	I/O	STLBD5	265	O	MB1AD12
22	I/O	SYSIO2	83	—	GND	144	O	MA2AD9	205	I/O	STLBD6	266	O	MB1AD11
23	I/O	SYSIO3	84	I	CNFCKA	145	O	MA2AD10	206	I/O	STLBD7	267	O	MB1AD10
24	I/O	SYSIO4	85	I	TGTP1	146	—	GND	207	I/O	STLBD8	268	O	MB1AD9
25	I/O	SYSIO5	86	I	TGTP2	147	O	MA2AD11	208	I/O	MAXA	269	O	MB1AD8
26	—	V_{DD}	87	I	TGTP3	148	O	MA2AD12	209	—	GND	270	O	MB1AD7
27	I/O	SYSIO6	88	I	CNFSWA	149	O	MA2AD13	210	I/O	STLAD0	271	O	MB1AD6
28	I/O	SYSIO7	89	—	V_{DD}	150	O	MA2AD14	211	I/O	STLAD1	272	—	GND
29	I	GCTL0	90	—	V_{DD}	151	O	MA2AD15	212	I/O	STLAD2	273	O	MB1AD5
30	I	GCTL1	91	I	XMM	152	O	MA2AD16	213	I/O	STLAD3	274	O	MB1AD4
31	I	GCTL2	92	I	MCK	153	I/O	MEMA2D0	214	I/O	STLAD4	275	O	MB1AD3
32	I	GCTL3	93	—	GND	154	I/O	MEMA2D1	215	I/O	STLAD5	276	O	MB1AD2
33	—	GND	94	I	RECSWA	155	I/O	MEMA2D2	216	—	V_{DD}	277	O	MB1AD1
34	I	GCTL4	95	I	RECCKA	156	I/O	MEMA2D3	217	I/O	STLAD6	278	O	MB1AD0
35	I	GCTL5	96	—	GND	157	I/O	MEMA2D4	218	I/O	STLAD7	279	—	V_{DD}
36	I	STRB	97	O	WST1	158	I/O	MEMA2D5	219	I/O	STLAD8	280	O	$\overline{\text{MWR2}}$
37	I	SCS	98	I	REFV	159	—	GND	220	I/O	MEMB2D7	281	—	GND
38	I	STAT0	99	I	REFVP	160	I/O	MEMA2D6	221	I/O	MEMB2D6	282	I	CHSL
39	I	STAT1	100	I	SYTEST	161	I/O	MEMA2D7	222	—	GND	283	I	STTP
40	I	CHIPID0	101	O	$\overline{\text{MWR1}}$	162	I/O	DREFIO	223	I/O	MEMB2D5	284	O	WST2
41	I	CHIPID1	102	—	V_{DD}	163	I/O	WRIO	224	I/O	MEMB2D4	285	—	GND
42	I	GTEST	103	O	MA1AD0	164	O	VPRITY	225	I/O	MEMB2D3	286	I	RECCKB
43	I	$\overline{\text{RST3}}$	104	O	MA1AD1	165	—	V_{DD}	226	I/O	MEMB2D2	287	I	RECSWB
44	—	GND	105	O	MA1AD2	166	O	VBLK	227	I/O	MEMB2D1	288	—	GND
45	O	REVO	106	O	MA1AD3	167	O	VSYNC	228	I/O	MEMB2D0	289	I	PCK
46	O	JUMPO	107	O	MA1AD4	168	O	VVST	229	O	MB2AD16	290	I	MS
47	O	$\overline{\text{SHTLO}}$	108	O	MA1AD5	169	O	VDATA0	230	O	MB2AD15	291	—	V_{DD}
48	O	SEG0	109	—	GND	170	O	VDATA1	231	O	MB2AD14	292	—	V_{DD}
49	O	SEG1	110	O	MA1AD6	171	O	VDATA2	232	O	MB2AD13	293	I	CNFSWB
50	O	F0	111	O	MA1AD7	172	—	GND	233	O	MB2AD12	294	I	REV
51	—	V_{DD}	112	O	MA1AD8	173	O	VDATA3	234	O	MB2AD11	295	I	JUMP
52	O	TRREF	113	O	MA1AD9	174	O	VDATA4	235	—	GND	296	I	PULLTST
53	O	NOSIGO	114	O	MA1AD10	175	O	VDATA5	236	O	MB2AD10	297	I	CNFCKB
54	O	ACSY	115	O	MA1AD11	176	O	VDATA6	237	O	MB2AD9	298	—	GND
55	O	BDSY	116	O	MA1AD12	177	O	VDATA7	238	O	MB2AD8	299	I	ADVCKB
56	I	RST1	117	O	MA1AD13	178	—	V_{DD}	239	O	MB2AD7	300	I	ADVSWB
57	—	GND	118	O	MA1AD14	179	O	VDATA8	240	O	MB2AD6	301	I	ADVDB0
58	I	$\overline{\text{RST2}}$	119	O	MA1AD15	180	O	VADATA0	241	—	V_{DD}	302	I	ADVDB1
59	O	ACEF	120	—	GND	181	O	VADATA1	242	O	MB2AD5	303	I	ADVDB2
60	O	BDEF	121	O	MA1AD16	182	O	VADATA2	243	O	MB2AD4	304	I	ADVDB3
61	O	MON	122	I/O	MEMA1D0	183	O	VADATA3	244	O	MB2AD3			

INPUT

ADVCKA, ADVCKB	; ADVANCE A/C, B/D CH CLOCK
ADVDA0 - ADVDA4, ADVDB0 - ADVDB4	; ADVANCE A/C, B/D CH DATA
ADVSWA, ADVSWB	; ADVANCE A/C, B/D CH HEAD SWITCHING
CHIPID0, CHIPID1	; SYSTEM CONTROL INTERFACE CHIP ID
CHSL	; 1 - 4CH/5 - 8CH SELECT
CNFCKA, CNFCKB	; CONFIDENCE A/C, B/D CH CLOCK
CNFDA0 - CNFDA4, CNFDB0 - CNFDB4	; CONFIDENCE A/C, B/D CH DATA
CNFSWA, CNFSWB	; CONFIDENCE A/C, B/D CH HEAD SWITCHING
GCTL0 - GCTL5, GTEST, PULLTST	; TEST PIN
JUMP	; DT JUMP
MCK	; 13.5 MHz CLOCK
MS	; SHUTTLE INTERFACE CONTROL
PCK	; 13.5 MHz PROGRAM PLAY CLOCK
REC	; RECORD MODE
RECCKA, RECCKB	; RECORD A/C, B/D CH CLOCK
RECDA0 - RECDA4, RECDB0 - RECDB4	; RECORD A/C, B/D CH DATA
RECSWA, RECSWB	; RECORD A/C, B/D CH HEAD SWITCHING SIGNAL
REFV	; REFERENCE VD
REFVP	; PROGRAM PLAY REFERENCE VD
REV	; REVERSE MODE INPUT
$\overline{\text{RST1}}$, $\overline{\text{RST2}}$, $\overline{\text{RST3}}$	; IC RESET 1.2.3
SCS	; SYSTEM CONTROL INTERFACE CHIP SELECT
STAT0, STAT1	; SYSTEM CONTROL INTERFACE STATES
STRB	; SYSTEM CONTROL INTERFACE STROBE
STTP, SYTEST, TGTP1 - TGTP3, XMM	; TEST PIN
$\overline{\text{WECN1}}$, $\overline{\text{WECN2}}$	; A/C, B/D CH FIELD MEMORY DATA ENABLE

OUTPUT

ACEF, BDEF	; A/C, B/D CH ERROR FLAG
ACSY, BDSY	; A/C, B/D CH SYNC
AUAXS	; AUDIO AUXILIARY DATA SYNC PULSE
AUCH	; AUDIO CHANNEL PULSE
AUST	; AUDIO FIELD START PULSE
AUSYNC	; AUDIO SYNC PULSE
DHBDSW	; TEST PIN
F0	; FIELD ID
F5	; 526/60 AUDIO 0 FIELD PULSE
FS5F0 - FS5F2	; AUDIO 5 FIELD SEQUENCE
FSPRTY	; AUDIO 5 FIELD SEQUENCE PARITY
JUMPO	; DT JUMP STATES
MA1AD0 - MA1AD16, MB1AD0 - MB1AD16	; A/C, B/D CH FIELD MEMORY 1 ADDRESS
MA2AD0 - MA2AD16, MB2AD0 - MB2AD16	; A/C, B/D CH FIELD MEMORY 2 ADDRESS
$\overline{\text{MAWE}}$, $\overline{\text{MBWE}}$	; A/C, B/D CH FIELD MEMORY WRITE ENABLE
MON	; TEST PIN
$\overline{\text{MWR1}}$, $\overline{\text{MWR2}}$	; A/C, B/D CH FIELD MEMORY WRITE/READ CONTROL
NOSIGO	; NO SIGNAL STATES
REVO	; REVERSE STATES
SEG0, SEG1	; SEGMENT NUMBER
$\overline{\text{SHTLO}}$	; SHUTTLE STATES
TRREF	; TRACK SYNC PULSE
VADATA0 - VADATA8	; AUDIO DATA AND B/D CH VIDEO DATA
VAPRITY	; AUDIO VIDEO DATA PARITY
VBLK	; VIDEO ECC BLOCK PULSE
VDATA0 - VDATA8	; A/C CH VIDEO DATA
VPRITY	; VIDEO DATA PARITY
VSYNC	; VIDEO SYNC PULSE
VVST	; VIDEO FIELD START PULSE
WST1, WST2	; TEST PIN

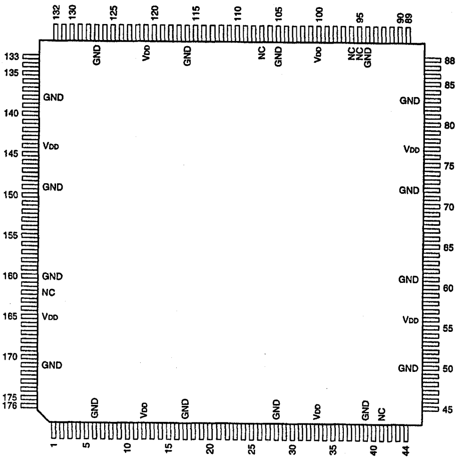
INPUT/OUTPUT

DREFIO	; REFERENCE VD SYNCHRONOUS INTERFACE
MAXA, MAXB	; A/C, B/D CH SHUTTLE OLD FLAG INTERFACE
MEMA1D0 - MEMA1D7, MEMB1D0 - MEMB1D7	; A/C, B/D CH FIELD MEMORY 1 DATA
MEMA2D0 - MEMA2D7, MEMB2D0 - MEMB2D7	; A/C, B/D CH FIELD MEMORY 2 DATA
STLAD0 - STLAD8, STLBD0 - STLBD8	; A/C, B/D CH SHUTTLE DATA INTERFACE
SYSIO0 - SYSIO7	; SYSTEM CONTROL INTERFACE DATA
WRIO	; WRITE/READ CONTROL SYNCHRONOUS INTERFACE

CXD8929R (SONY)

C-MOS OUTER ERROR CORRECTION DECODER

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	F5PSO	45	I	AVSTI	89	I/O	TDI4	133	I/O	VDMIOA8
2	O	TDO8	46	I	ASYNCI	90	I/O	TDI3	134	I/O	VDMIOA7
3	O	TDO7	47	I	AUCHI	91	I/O	TDI2	135	I/O	VDMIOA6
4	O	TDO6	48	I	AUXSYI	92	I/O	TDI1	136	I/O	VDMIOA5
5	O	TDO5	49	I	FS5FI	93	I/O	TDI0	137	I/O	VDMIOA4
6	—	GND	50	—	GND	94	—	GND	138	—	GND
7	O	TDO4	51	I	VAIN8	95	—	NC	139	I/O	VDMIOA3
8	O	TDO3	52	I	VAIN7	96	—	NC	140	I/O	VDMIOA2
9	O	TDO2	53	I	VAIN6	97	O	VEOUT	141	I/O	VDMIOA1
10	O	TDO1	54	I	VAIN5	98	O	VDOUT7	142	I/O	VDMIOA0
11	O	TDO0	55	I	VAIN4	99	O	VDOUT6	143	O	VMDC
12	—	VDD	56	—	VDD	100	—	VDD	144	—	VDD
13	I	REV	57	I	VAIN3	101	O	VDOUT5	145	O	VMWE
14	I	JUMP	58	I	VAIN2	102	O	VDOUT4	146	I/O	VDMIOB8
15	I	F5MDI	59	I	VAIN1	103	O	VDOUT3	147	I/O	VDMIOB7
16	O	DE2XJP	60	I	VAIN0	104	O	VDOUT2	148	I/O	VDMIOB6
17	—	GND	61	—	GND	105	—	GND	149	—	GND
18	I/O	SYSIO7	62	I	VIN8	106	O	VDOUT1	150	I/O	VDMIOB5
19	I/O	SYSIO6	63	I	VIN7	107	—	NC	151	I/O	VDMIOB4
20	I/O	SYSIO5	64	I	VIN6	108	O	VDOUT0	152	I/O	VDMIOB3
21	I/O	SYSIO4	65	I	VIN5	109	O	VSYNCO	153	I/O	VDMIOB2
22	I/O	SYSIO3	66	I	VIN4	110	O	VPRTO	154	I/O	VDMIOB1
23	I/O	SYSIO2	67	I	VIN3	111	O	VMADD16A	155	I/O	VDMIOB0
24	I/O	SYSIO1	68	I	VIN2	112	O	VMADD16B	156	O	MON
25	I/O	SYSIO0	69	I	VIN1	113	O	VMADD15	157	O	ADOUT1
26	O	OBUSEN	70	I	VIN0	114	O	VMADD14	158	O	ADOUT2
27	I	IBUSEN	71	I	MCK	115	O	VMADD13	159	O	AVSTO
28	—	GND	72	—	GND	116	—	GND	160	—	GND
29	I	STAT1	73	I	MCKP	117	O	VMADD12	161	I	TEST
30	I	STAT0	74	I	VVSTI	118	O	VMADD11	162	—	NC
31	I	STRB	75	I	VSYNCI	119	O	VMADD10	163	I	FS
32	I	SCS	76	I	VBLKI	120	O	VMADD9	164	I	TAI9
33	—	VDD	77	—	VDD	121	—	VDD	165	—	VDD
34	I	CHIPID1	78	I	VPRTI	122	O	VMADD8	166	I	TAI8
35	I	CHIPID0	79	I	SHUTTLE	123	O	VMADD7	167	I	TAI7
36	I	CPTEST	80	I	TRE	124	O	VMADD6	168	I	TAI6
37	I	CPTSRB	81	I	TWE	125	O	VMADD5	169	I	TAI5
38	I	NOSIG	82	I	XMM	126	O	VMADD4	170	I	FS256
39	—	GND	83	—	GND	127	—	GND	171	—	GND
40	I	RESET	84	I	TDIEN	128	O	VMADD3	172	I	TAI4
41	—	NC	85	I/O	TDI8	129	O	VMADD2	173	I	TAI3
42	I	REFV	86	I/O	TDI7	130	O	VMADD1	174	I	TAI2
43	I	REFVP	87	I/O	TDI6	131	O	VMADD0	175	I	TAI1
44	I	APRTI	88	I/O	TDI5	132	O	VRE	176	I	TAI0

INPUT

APRTI	; AUDIO PARITY
ASYNCI	; AUDIO SYNC TIMMING
AUCHI	; AUDIO CHANNEL TIMMING
AUXSYI	; AUDIO AUX SYNC TIMMING
AVSTI	; AUDIO V SYNC TIMMING
CHIPID0, CHIPID1	; ID NUMBER
CPTEST	; IC TEST MODE (NORMAL "1")
CPTSRB	; TEST MODE SETTING TIMMING
F5MDI	; 5 FILD SEQUENCE TREATMENT MODE
FS256	; AUDIO SAMPLING FREQUENCY 256 CLOCK
FS5FI	; 5 FILD TIMMING
FS	; AUDIO SAMPLING FREQUENCY CLOCK
IBUSEN	; SYSIO0 - SYSIO7 TEMINAL I/O CONTROL
JUMP	; DT JUMP TIMMING (NORMAL "1")
MCK	; CLOCK
MCKP	; PROGRAM PLAY CLOCK
NOSIG	; NO SIGNAL
REFV	; VIDEO REFERENCE V SYNC SIGNAL
REFVP	; VIDEO REFERENCE V SYNC SIGNAL (PROGRAM PLAY)
RESET	; RESET
REV	; REVERSE PLAYBACK MODE (NORMAL PLAY "1")
SCS	; SYSTEM CONTROL CLOCK SELECT
SHUTTLE	; OUTSIDE MEMORY WRITE ENABLE
STAT0, STAT1	; SYSIO0 - SYSIO7 SIGNAL DATA ATTRIBUTE DISTINCTION
STRB	; SYSTEM CONTROL CLOCK
TAI0 - TAI9	; TEST DATA
TDIEN	; OUTSIDE MEMORY ADDRESS LINE
TEST	; TEST
TRE	; INSIDE MEMORY READ ENABLE
TWE	; INSIDE MEMORY WRITE ENABLE
VAIN0 - VAIN8	; VIDEO B/D ch DATA + AUDIO DATA
VBLKI	; VIDEO BLOCK TIMMING
VIN0 - VIN8	; VIDEO A/C ch DATA
VPRTI	; VIDEO PARITY
VSYNCI	; VIDEO TIMMING
VVSTI	; VIDEO V SYNC TIMMING
XMM	; OUTSIDE MEMORY ADDRESS LINE

OUTPUT

ADOUT0, ADOUT1	; AUDIO DATA CH3/CH4, CH1/CH2
AVSTO	; AUDIO TIMMING SIGNAL
DE2XJP	; DISCONTINUITY OF FIELD
F5PSO	; 5 FILD TIMMING PULS
MON	; VIDEO OUTPUT TIMMING MONITOR
OBUSEN	; SYSIO0 - SYSIO7 TERMINAL I/O CONTROL
TDO0 - TDO8	; TEST DATA
VDOUT0 - VDOUT7	; VIDEO DATA
VEOUT	; VIDEO ERROR FLAG
VMADD0 - VMADD15	; OUTSIDE MEMORY ADDRESS LINE
VMADD16A, 16B	; OUTSID MEMORY (A), (B) ADDRESS LINE
VMDC	; OUTSIDE MEMORY CONTROL SIGNAL
VMWE	; OUTSIDE MEMORY WRITE TIMMING
VPRITO	; VIDEO PARITY
VRE	; OUTSIDE MEMORY READ ENABLE
VSYNCO	; VIDEO SYNC TIMMING

INPUT/OUTPUT

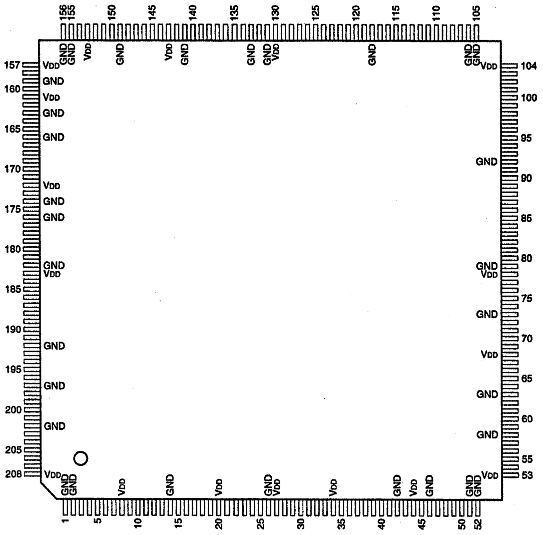
SYSIO0 - SYSIO7	; SYSTEM CONTROL SIGNAL DATA
TDI0 - TDI8	; TEST DATA
VDMIOA0 - VDMIOA8	; OUTSIDE MEMORY (A) DATA
VDMIOB0 - VDMIOB8	; OUTSIDE MEMORY (B) DATA

IC

CXD8933AR (SONY)

C-MOS IMAGE ENHANCER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	53	—	VDD	105	—	GND	157	—	VDD
2	—	GND	54	O	DTL07	106	—	GND	158	O	SC
3	O	RO08	55	O	DTL06	107	I	BI11	159	—	GND
4	O	RO07	56	O	DTL05	108	I	GI00	160	I	EXTSC
5	O	RO06	57	O	DTL04	109	I	GI01	161	—	VDD
6	O	RO05	58	—	GND	110	I	GI02	162	I	EXTSYNC
7	O	RO04	59	O	DTL03	111	I	GI03	163	—	GND
8	—	VDD	60	O	DTL02	112	I	GI04	164	O	HCOM2
9	O	RO03	61	O	DTL01	113	I	GI05	165	O	HCOM1
10	O	RO02	62	O	DTL00	114	I	GI06	166	—	GND
11	O	RO01	63	—	GND	115	I	GI07	167	I	VRST
12	O	RO00	64	O	MPX13	116	I	GI08	168	O	CF
13	O	GO11	65	O	MPX12	117	I	GI09	169	O	TGC
14	—	GND	66	O	MPX11	118	—	GND	170	O	INTEXT
15	O	GO10	67	O	MPX10	119	I	GI10	171	O	CHARCLK
16	O	GO09	68	—	VDD	120	I	GI11	172	—	VDD
17	O	GO08	69	O	MPX09	121	I	RI00	173	I	TRST
18	O	GO07	70	O	MPX08	122	I	RI01	174	—	GND
19	O	GO06	71	O	MPX07	123	I	RI02	175	I	TCK
20	—	VDD	72	O	MPX06	124	I	RI03	176	—	GND
21	O	GO05	73	—	GND	125	I	RI04	177	I	TMS
22	O	GO04	74	O	MPX05	126	I	RI05	178	I	TDI
23	O	GO03	75	O	MPX04	127	I	BI06	179	O	TDO
24	O	GO02	76	O	MPX03	128	I	RI07	180	I	HDI
25	O	GO01	77	O	MPX02	129	I	RI08	181	I	VDI
26	—	GND	78	—	VDD	130	—	VDD	182	—	GND
27	—	VDD	79	—	GND	131	—	GND	183	—	VDD
28	O	GO00	80	O	MPX01	132	O	CLK18	184	I	RTEB
29	O	BO11	81	O	MPX00	133	—	GND	185	I	RTIN
30	O	BO10	82	I	STD23	134	I	RI09	186	O	SDAO
31	O	BO09	83	I	STD22	135	I	RI10	187	I	SDAI
32	O	BO08	84	I	STD21	136	I	RI11	188	I	SCL
33	O	BO07	85	I	STD20	137	O	OHBFLD	189	I	SLAO
34	—	VDD	86	I	STD13	138	O	OHBVD	190	I	SLAI
35	O	BO06	87	I	STD12	139	O	OHBHD	191	I	TEST
36	O	BO05	88	I	STD11	140	O	ASSV	192	—	GND
37	O	BO04	89	I	STD10	141	—	GND	193	O	VFD0
38	O	BO03	90	O	VDO	142	O	ACSH	194	O	VFD1
39	O	BO02	91	O	HDO	143	—	VDD	195	O	VFD2
40	O	BO01	92	—	GND	144	O	QBAR	196	O	VFD3
41	O	BO00	93	I	BI00	145	O	IBAR	197	—	GND
42	—	GND	94	I	BI01	146	O	CLAMP	198	O	VFD4
43	I	CLK	95	I	BI02	147	O	SAMPLE	199	O	VFD5
44	—	VDD	96	I	BI03	148	O	SYSYBLK	200	O	VFD6
45	I	PRST	97	I	BI04	149	—	GND	201	O	VFD7
46	—	GND	98	I	BI05	150	O	SYNC	202	—	GND
47	O	DTL11	99	I	RI06	151	O	BF	203	O	VFD8
48	O	DTL10	100	I	BI07	152	O	LALT	204	O	VFD9
49	O	DTL09	101	I	BI08	153	—	VDD	205	O	RO11
50	O	DTL08	102	I	BI09	154	I	FSC4	206	O	RO10
51	—	GND	103	I	BI10	155	—	GND	207	O	RO09
52	—	GND	104	—	VDD	156	—	GND	208	—	VDD

INPUT

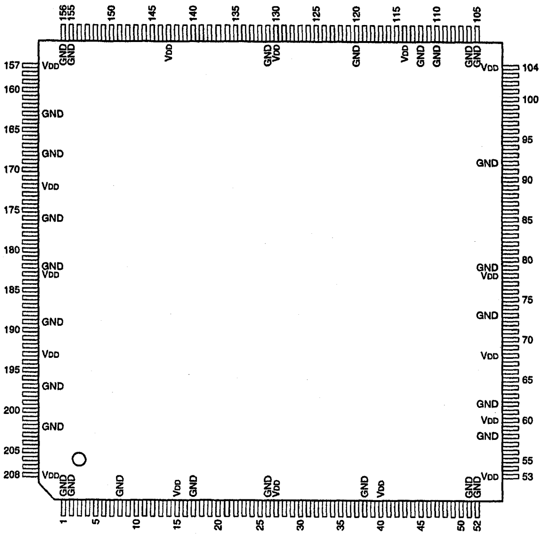
BI00 - BI11 : B CHANNEL VIDEO DATA
CLK : CLOCK
EXTSC : EXTERNAL SUBCARRIER
EXTSYNC : EXTERNAL SYNC
FSC4 : 4 fsc
GI00 - GI11 : G CHANNEL VIDEO DATA
HDI : HORIZONTAL DRIVE
PRST : POWER ON RESET
RI00 - RI11 : R CHANNEL VIDEO DATA
RTEB : RAM TEST ENABLE
RTIN : RAM TEST DATA
SCL : IIC CLOCK
SDAI : IIC DATA
SLAI : SUB ADDRESS 2nd LSB
SLAO : SUB ADDRESS LSB
STD10 - STD23 : SKIN TONE AREA
TCK : BOUNDARY SCAN CLOCK
TDI : BOUNDARY SCAN DATA
TEST : TEST ENABLE
TMS : BOUNDARY SCAN MODE
TRST : BOUNDARY SCAN RESET
VDI : VERTICAL DRIVE
VRST : VERTICAL RESET

OUTPUT

ACSH : ASPECT RATIO CONVERSION CLOCK/HD
ASSV : ASPECT RATIO CONVERSION SELECT PULSE/VD
BF : BURST FLAG
BO00 - BO11 : B CHANNEL VIDEO DATA
CF : COLOR FRAMING
CHARCLK : CHARACTER GENERATOR CLOCK
CLAMP : CLAMP PULSE
CLK18 : 18 MHz CLOCK
DTL00 - DTL11 : DETAIL SIGNAL
GO00 - GO11 : G CHANNEL VIDEO DATA
HCOMP1, HCOMP2 : HORIZONTAL SYNC PHASE COMPARATOR
HDO : HORIZONTAL RESET
IBAR : SMPTE I BAR FLAG
INTEXT : SYNC GENERATOR INTERNAL/EXTERNAL
LALT : LINE ALTERNATE
MPX00-MPX13 : DETECT DATA
OHBFLD : FIELD
OHBHD : HORIZONTAL RESET
OHBVD : VERTICAL RESET
QBAR : SMPTE Q BAR FLAG
RO00 - RO11 : R CHANNEL VIDEO DATA
SAMPLE : SAMPLE PULSE
SC : SUBCARRIER
SDAO : SERIAL DATA
SYNCE : SYNC PULSE
SYSYBLK : SYSTEM BLANKING PULSE
TDO : BOUNDARY SCAN DATA
TGC : BURST GATE PULSE
VDO : VERTICAL RESET
VFD0 - VFD9 : VF DETAIL SIGNAL

CXD8934AR (SONY)

C-MOS PROCESSER
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	53	—	VDD	105	—	GND	157	—	VDD
2	—	GND	54	I	$\overline{\text{TE}}$	106	—	GND	158	O	GPO00
3	O	BPO08	55	I	SCLM	107	I	DTL09	159	O	GPO01
4	O	BPO09	56	I	SDAMI	108	I	DTL10	160	O	GPO02
5	O	ZO	57	O	SDAMO	109	I	DTL11	161	O	GPO03
6	O	MK1O	58	—	GND	110	—	GND	162	O	GPO04
7	O	MK2O	59	I	TRST	111	I	CLK	163	—	GND
8	—	GND	60	—	VDD	112	—	GND	164	O	GPO05
9	I	SYNCI	61	I	TCK	113	I	$\overline{\text{POR}}$	165	O	GPO06
10	I	TLI	62	—	GND	114	—	VDD	166	O	GPO07
11	I	TLBI	63	I	TMS	115	I	BPI00	167	O	GPO08
12	O	VDO	64	I	TDI	116	I	BPI01	168	—	GND
13	O	HDO	65	O	TDO	117	I	BPI02	169	O	GPO09
14	O	SKD	66	I	HDI	118	I	BPI03	170	O	YPO00
15	—	VDD	67	I	VDI	119	I	BPI04	171	O	YPO01
16	O	CK18	68	—	VDD	120	—	GND	172	—	VDD
17	—	GND	69	O	DET10	121	I	BPI05	173	O	YPO02
18	I	PDA8	70	O	DET11	122	I	BPI06	174	O	YPO03
19	I	PDA7	71	O	DET12	123	I	BPI07	175	O	YPO04
20	I	PDA6	72	O	DET13	124	I	BPI08	176	—	GND
21	I	PDA5	73	—	GND	125	I	BPI09	177	O	YPO05
22	I	PDA4	74	O	DET20	126	I	BPI10	178	O	YPO06
23	I	PDA3	75	O	DET21	127	I	BPI11	179	O	YPO07
24	I	PDA2	76	O	DET22	128	I	GPI00	180	O	YPO08
25	I	PDA1	77	O	DET23	129	I	GPI01	181	O	YPO09
26	—	GND	78	—	VDD	130	—	VDD	182	—	GND
27	—	VDD	79	—	GND	131	—	GND	183	—	VDD
28	I	PDA0	80	I	MPXI00	132	I	GPI02	184	O	YPO10
29	I/O	PDI7	81	I	MPXI01	133	I	GPI03	185	O	YPO11
30	I/O	PDI6	82	I	MPXI02	134	I	GPI04	186	O	RPO00
31	I/O	PDI5	83	I	MPXI03	135	I	GPI05	187	O	RPO01
32	I/O	PDI4	84	I	MPXI04	136	I	GPI06	188	O	RPO02
33	I/O	PDI3	85	I	MPXI05	137	I	GPI07	189	—	GND
34	I/O	PDI2	86	I	MPXI06	138	I	GPI08	190	O	RPO03
35	I/O	PDI1	87	I	MPXI07	139	I	GPI09	191	O	RPO04
36	I/O	PDI0	88	I	MPXI08	140	I	GPI10	192	O	RPO05
37	I	PORS	89	I	MPXI09	141	I	GPI11	193	—	VDD
38	—	GND	90	I	MPXI10	142	I	RPI00	194	O	RPO06
39	I	$\overline{\text{WE}}$	91	I	MPXI11	143	—	VDD	195	O	RPO07
40	—	VDD	92	—	GND	144	I	RPI01	196	O	RPO08
41	I	$\overline{\text{CE}}$	93	I	MPXI12	145	I	RPI02	197	—	GND
42	I	$\overline{\text{RE}}$	94	I	MPXI13	146	I	RPI03	198	O	RPO09
43	I	SCLI	95	I	DTL00	147	I	RPI04	199	O	BPO00
44	I	SDAII	96	I	DTL01	148	I	RPI05	200	O	BPO01
45	O	SDAIO	97	I	DTL02	149	I	RPI06	201	O	BPO02
46	I	IRC	98	I	DTL03	150	I	RPI07	202	—	GND
47	I	SLAI	99	I	DTL04	151	I	RPI08	203	O	BPO03
48	I	SLAM	100	I	DTL05	152	I	RPI09	204	O	BPO04
49	I	TEN	101	I	DTL06	153	I	RPI10	205	O	BPO05
50	I	TIN	102	I	DTL07	154	I	RPI11	206	O	BPO06
51	—	GND	103	I	DTL08	155	—	GND	207	O	BPO07
52	—	GND	104	—	VDD	156	—	GND	208	—	VDD

INPUT
BPI00 - BPI11 : B CHANNEL SIGNAL
$\overline{\text{CE}}$: L: PARALLEL I/O CHIP ENABLE
CLK : MASTER CLOCK
DTL00 - DTL11 : DETAIL
GPI00 - GPI11 : G CHANNEL SIGNAL
HDI : HORIZONTAL DRIVE
IRC : IRIS CPU PRESENCE
MPXI00 - MPXI13 : DETECTION MULTIPLEX
PDA0 - PDA8 : PARALLEL DATA ADDRESS
$\overline{\text{POR}}$: L: POWER ON RESET
PORS : PARALLEL I/O ; SERIAL I/O SELECT
RPI00 - RPI11 : R CHANNEL SIGNAL
$\overline{\text{RE}}$: L: PARALLEL I/O READ ENABLE
SCLI : SERIAL I/O IRIS CLOCK
SCLM : SERIAL I/O MAIN CLOCK
SDAII : SERIAL I/O IRIS DATA
SDAMI : SERIAL I/O MAIN DATA
SLAI : IRIS SERIAL I/O LOCAL ADDRESS
SLAM : MAIN SERIAL I/O LOCAL ADDRESS
SYNCI : SYNC
TCK : BOUNDARY SCAN CLOCK
TDI : BOUNDARY SCAN TEST DATA
$\overline{\text{TE}}$: L: RAM TEST ENABLE
TEN : TEST ENABLE
TIN : RAM TEST
TLBI : TITLE BACK
TLI : TITLE
TMS : BOUNDARY SCAN MODE
TRST : BOUNDARY SCAN RESET
VDI : VERTICAL DRIVE
$\overline{\text{WE}}$: L: PARALLEL I/O WRITE ENABLE

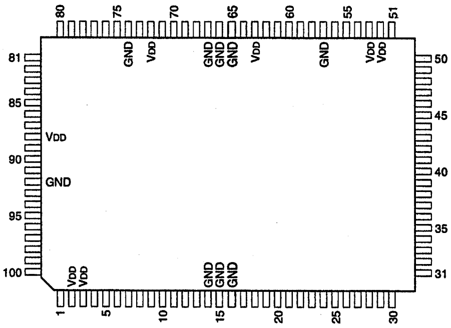
OUTPUT
BPO00 - BPO09 : B SIGNAL
CK18 : DIVIDED-BY-TWO CLOCK
DET10 - DET23 : COLOR DETECTION SIGNAL
GPO00 - GPO09 : G SIGNAL
HDO : HORIZONTAL DRIVE
MK1O, MK2O : MARKER1, 2
RPO00 - RPO09 : R SIGNAL
SDAIO : SERIAL I/O IRIS DATA
SDAMO : SERIAL I/O MAIN DATA
SKD : DOMAIN OF COLOR DETECTION
TDO : BOUNDARY SCAN TEST DATA
VDO : VERTICAL DRIVE
YPO00 - YPO11 : Y SIGNAL
ZO : ZEBRA SIGNAL

INPUT/OUTPUT
PDI0 - PDI7 : PARALLEL I/O DATA

CXD8953Q (SONY)

C-MOS ERROR DETECTION AND HANDLING

—TOP VIEW—


80
75
70
65
60
55
51
GND
VDD
GND
GND
GND
VDD
GND
VDD
VDD
81
50
85
45
VDD
90
40
GND
95
35
100
31
VDD
VDD
GND
GND
GND
1
5
10
15
20
25
30

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	TEST0	21	I	IDATA8	41	I	TEST6	61	O	ODATA8	81	O	APERR
2	—	VDD	22	I	IDATA9	42	I	A3	62	O	ODATA7	82	O	FFERR
3	—	VDD	23	I	FORM0	43	I	A2	63	—	VDD	83	O	ANCER
4	O	TEST1	24	I	FORM1	44	I	A1	64	O	ODATA6	84	I/O	ANCEDH
5	O	TEST2	25	I	AUTO	45	I	A0	65	—	GND	85	I/O	ANCEDA
6	I	TEST3	26	I	MODE0	46	I	$\overline{\text{WRITE}}$	66	—	GND	86	I/O	ANCIDH
7	I	TEST4	27	I	MODE1	47	I	$\overline{\text{READ}}$	67	—	GND	87	I/O	ANCIDA
8	O	TEST5	28	I	MODE2	48	I	$\overline{\text{CS}}$	68	O	ODATA5	88	—	VDD
9	I	ICLOCK	29	O	OTHANC	49	O	TEST7	69	O	ODATA4	89	I/O	ANCUES
10	I	IDATA0	30	O	EDHVLD	50	I	TEST8	70	O	ODATA3	90	I/O	APEDH
11	I	IDATA1	31	O	DPR	51	I	$\overline{\text{RESET}}$	71	O	ODATA2	91	I/O	APEDA
12	I	IDATA2	32	O	INTR	52	—	VDD	72	—	VDD	92	—	GND
13	I	IDATA3	33	I/O	D7	53	—	VDD	73	O	ODATA1	93	I/O	APIDH
14	—	GND	34	I/O	D6	54	O	TEST9	74	—	GND	94	I/O	APIDA
15	—	GND	35	I/O	D5	55	O	TEST10	75	O	ODATA0	95	I/O	APUES
16	—	GND	36	I/O	D4	56	O	TEST11	76	O	TEST13	96	I/O	FFEDH
17	I	IDATA4	37	I/O	D3	57	—	GND	77	O	OD1	97	I/O	FFEDA
18	I	IDATA5	38	I/O	D2	58	O	TEST12	78	O	OL525	98	I/O	FFIDH
19	I	IDATA6	39	I/O	D1	59	O	OCLOCK	79	I	TEST14	99	I/O	FFIDA
20	I	IDATA7	40	I/O	D0	60	O	ODATA9	80	I	TEST15	100	I/O	FFUES

INPUT

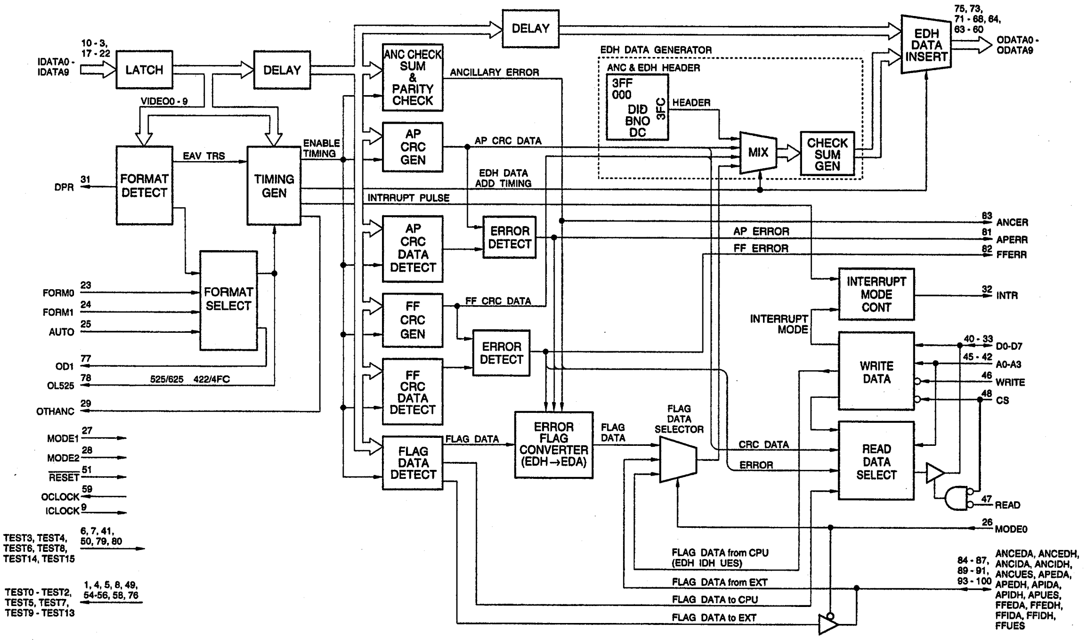
A0 - A3 : ADDRESS
AUTO : AUTO DETECT
$\overline{\text{CS}}$: CHIP SELECT
FORM0, FORM1 : VIDEO FORMAT
ICLOCK : CLOCK
IDATA0 - IDATA9 : VIDEO DATA
MODE0 : 1 = Detect each FLAG and calculate CRC.
Add the result and output.
0 = Input each FLAG from outside and calculate CRC.
Add the result and output.
MODE1 : 1 = If other ANCILLARY DATA existe EDH,
such as AUDIO, no EDH is added.
0 = EDH is added unconditionally.
MODE2 : MODE SELECT
$\overline{\text{READ}}$: READ
$\overline{\text{RESET}}$: RESET
TEST3, TEST4, TEST6,
TEST8, TEST14, TEST15 : TEST
$\overline{\text{WRITE}}$: WRITE

OUTPUT

ANCER : ANCILLARY DATA ERROR
APERR : ACTIVE PICTURE ERROR
DPR : INPUT SIGNAL DETECT
EDHVLB : ERROR DETECTION & HANDLING CORRESPOND DETECT
FFERR : FULL FIELD ERROR
INTR : INTERRUPT
OCLOCK : OUTPUT CLOCK
OD1 : D1/D2 FORMAT SELECT
ODATA0 - ODATA9 : OUTPUT DATA
OL525 : 525/625, 422/4FC FORMAT SELECT
OTHANC : OTHER ANC DATA DETECT
TEST0 - TEST2, TEST5,
TEST7, TEST9 - TEST13 : TEST

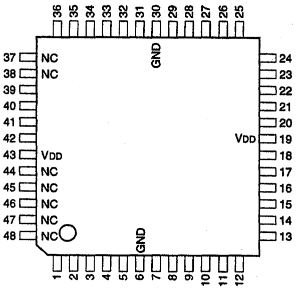
INPUT/OUTPUT

ANCEDA : ANCILLARY EDA FLAG
ANCEDH : ANCILLARY EDH FLAG
ANCIDA : ANCILLARY IDA FLAG
ANCIDH : ANCILLARY IDH FLAG
ANCUES : ANCILLARY UES FLAG
APEDA : ACTIVE PICTURE EDA FLAG
APEDH : ACTIVE PICTURE EDH FLAG
APIDA : ACTIVE PICTURE IDA FLAG
APIDH : ACTIVE PICTURE IDH FLAG
APUES : ACTIVE PICTURE UES FLAG
D0 - D7 : CPU DATA
FFEDA : FULL FIELD EDA FLAG
FFEDH : FULL FIELD EDH FLAG
FFIDA : FULL FIELD IDA FLAG
FFIDH : FULL FIELD IDH FLAG
FFUES : FULL FIELD UES FLAG


IDATA0 - IDATA9
10 - 3, 17 - 22
LATCH
DELAY
VIDEO0 - 9
FORMAT DETECT
EAV TRS
TIMING GEN
ENABLE TIMING
DPR 31
FORMAT SELECT
FORM0 23
FORM1 24
AUTO 25
OD1 77
OL525 78
525/625 422/4FC
OTHANC 29
MODE1 27
MODE2 28
RESET 51
OCLOCK 59
ICLOCK 9
TEST3, TEST4, TEST6, TEST8, TEST14, TEST15
6, 7, 41, 50, 79, 80
TEST0 - TEST2, TEST5, TEST7, TEST9 - TEST13
1, 4, 5, 8, 49, 54-56, 58, 76
DELAY
ANC CHECK SUM & PARITY CHECK
ANCILLARY ERROR
AP CRC GEN
AP CRC DATA
EDH DATA ADD TIMING
INTRRUPT PULSE
AP CRC DATA DETECT
ERROR DETECT
FF CRC GEN
FF CRC DATA
ERROR DETECT
FF CRC DATA DETECT
FLAG DATA DETECT
FLAG DATA
ERROR FLAG CONVERTER (EDH→EDA)
FLAG DATA
FLAG DATA SELECTOR
EDH DATA GENERATOR
ANC & EDH HEADER
3FF
000
DID
BNO
DC
3FC
HEADER
MIX
CHECK SUM GEN
EDH DATA INSERT
75, 73, 71 - 68, 64, 63 - 60
ODATA0 - ODATA9
AP ERROR
FF ERROR
83 ANCER
81 APERR
82 FFERR
INTERRUPT MODE CONT
32 INTR
INTERRUPT MODE
WRITE DATA
40 - 33 D0-D7
45 - 42 A0-A3
46 WRITE
48 CS
CRC DATA
ERROR
READ DATA SELECT
47 READ
26 MODE0
FLAG DATA from CPU (EDH IDH UES)
FLAG DATA from EXT
FLAG DATA to CPU
FLAG DATA to EXT
84 - 87, 89 - 91, 93 - 100
ANCEDA, ANCEDH, ANCIDA, ANCIDH, ANCUES, APEDA, APEDH, APIDA, APIDH, APUES, FFEDA, FFEDH, FFIDA, FFIDH, FFUES

CXK1203AR (SONY)
CXK1203AR-T4

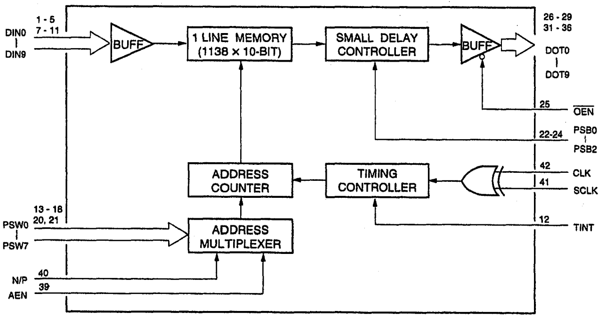
C-MOS DIGITAL LINE MEMORY
—TOP VIEW—



36 35 34 33 32 31 30 29 28 27 26 25
37 NC
38 NC
GND
24 23 22 21 20
VDD 19
43 VDD
44 NC
45 NC
46 NC
47 NC
48 NC
18 17 16 15 14 13
GND
1 2 3 4 5 6 7 8 9 10 11 12

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	D0	13	I	PSW7	25	I	$\overline{\text{OEN}}$	37	—	NC
2	I	D1	14	I	PSW6	26	O	DOT9	38	—	NC
3	I	D2	15	I	PSW5	27	O	DOT8	39	I	AEN
4	I	D3	16	I	PSW4	28	O	DOT7	40	I	N/P
5	I	D4	17	I	PSW3	29	O	DOT6	41	I	SCLK
6	—	GND	18	I	PSW2	30	—	GND	42	I	CLK
7	I	D5	19	—	VDD	31	O	DOT5	43	—	VDD
8	I	D6	20	I	PSW1	32	O	DOT4	44	—	NC
9	I	D7	21	I	PSW0	33	O	DOT3	45	—	NC
10	I	D8	22	I	PSB2	34	O	DOT2	46	—	NC
11	I	D9	23	I	PSB1	35	O	DOT1	47	—	NC
12	I	TINT	24	I	PSB0	36	O	DOT0	48	—	NC

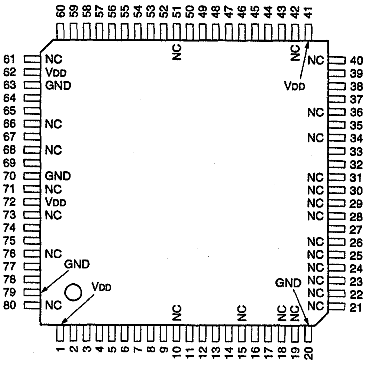
AEN : LINE MEMORY SELECT
CLK : CLOCK
DIN0 - DIN9 : VIDEO DATA INPUT
DOT0 - DOT9 : VIDEO DATA OUTPUT
N/P : NTSC/PAL/SECAM SELECT
OEN : OUTPUT ENABLE
PSB0 - PSB2 : DELAY STEP SELECT (1-BITxN)
PSW0 - PSW7 : DELAY STEP SELECT (8-BITxN)
SCLK : CLOCK EDGE SELECT
TINT : TEST



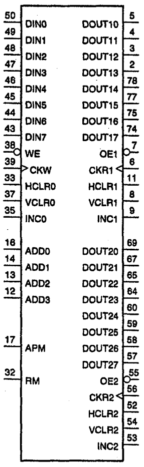
DIN0 | DIN9
1 - 5 7 - 11
BUFF
1 LINE MEMORY (1138 x 10-BIT)
SMALL DELAY CONTROLLER
BUFF
26 - 29 31 - 36
DOT0 | DOT9
25 OEN
22-24 PSB0 | PSB2
ADDRESS COUNTER
TIMING CONTROLLER
42 CLK
41 SCLK
12 TINT
13 - 18 20, 21
PSW0 | PSW7
ADDRESS MULTIPLEXER
N/P 40
AEN 39

CXK48324R (SONY)
CXK48324R-1

C-MOS 2.4 M (960 × 306 × 8) BITS 3 PORTS VIDEO FIELD MEMORY
—TOP VIEW—



60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41
61 NC
62 VDD
63 GND
64 65
66 NC
67
68 NC
69
70 GND
71 NC
72 VDD
73 NC
74 75
76 NC
77 GND
78 79
VDD
80 NC
NC NC
NC 40
VDD 39 38 37
NC 36 35
NC 34 33 32
NC 31
NC 30
NC 29
NC 28 27
NC 26
NC 25
NC 24
GND NC 23
NC 22
NC 21
NC NC NC NC
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

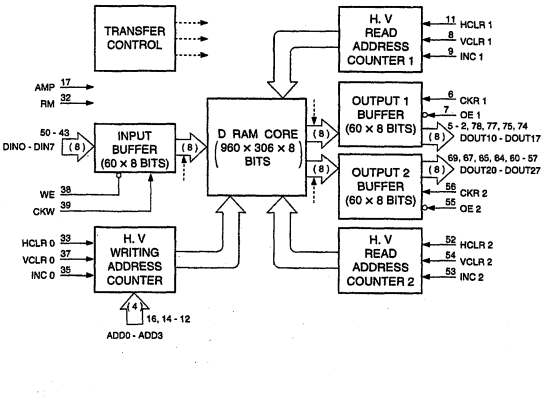


50 DIN0
49 DIN1
48 DIN2
47 DIN3
46 DIN4
45 DIN5
44 DIN6
43 DIN7
38 WE
39 CKW
33 HCLR0
37 VCLR0
35 INC0
16 ADD0
14 ADD1
13 ADD2
12 ADD3
17 APM
32 RM
DOUT10 5
DOUT11 4
DOUT12 3
DOUT13 2
DOUT14 78
DOUT15 77
DOUT16 75
DOUT17 74
OE1 7
CKR1 6
HCLR1 11
VCLR1 8
INC1 9
DOUT20 69
DOUT21 67
DOUT22 65
DOUT23 64
DOUT24 60
DOUT25 59
DOUT26 58
DOUT27 57
OE2 55
CKR2 56
HCLR2 52
VCLR2 54
INC2 53

INPUT
ADD0 - ADD3 ; ADDRESS INPUT
APM ; ADDRESS PRESET MODE ENABLE
CKR1, CKR2 ; PORT 1 OR 2 SHIFT SIGNAL INPUT
CKW ; PORT 0 SHIFT SIGNAL INPUT
DIN0 - DIN7 ; PORT 0 DATA INPUT
HCLR0 - HCLR2 ; PORT 0 - 2 HORIZONTAL CLEAR
INC0 - INC2 ; PORT 0 - 2 LINE INCREMENT
RM ; RECURSIVE MODE ENABLE
TE ; TEST MODE ENABLE
VCLR0 - VCLR2 ; PORT 0 - 2 VERTICAL CLEAR
$\overline{\text{OE1}}$, $\overline{\text{OE2}}$; PORT 1 OR 2 OUTPUT ENABLE
$\overline{\text{WE}}$; PORT 0 WRITE ENABLE

OUTPUT
DO10 - DO17 ; PORT 1 DATA OUTPUT
DO20 - DO27 ; PORT 2 DATA OUTPUT

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	21	—	NC	41	—	VDD	61	—	NC
2	O	DO13	22	—	NC	42	—	NC	62	—	VDD
3	O	DO12	23	—	NC	43	I	DIN7	63	—	GND
4	O	DO11	24	—	NC	44	I	DIN6	64	O	DO23
5	O	DO10	25	—	NC	45	I	DIN5	65	O	DO22
6	I	CKR1	26	—	NC	46	I	DIN4	66	—	NC
7	I	$\overline{\text{OE1}}$	27	—	TE	47	I	DIN3	67	O	DO21
8	I	VCLR1	28	—	NC	48	I	DIN2	68	—	NC
9	I	INC1	29	—	NC	49	I	DIN1	69	O	DO20
10	—	NC	30	—	NC	50	I	DIN0	70	—	GND
11	I	HCLR1	31	—	NC	51	—	NC	71	—	NC
12	I	ADD3	32	I	RM	52	I	HCLR2	72	—	VDD
13	I	ADD2	33	I	HCLR0	53	I	INC2	73	—	NC
14	I	ADD1	34	—	NC	54	I	VCLR2	74	O	DO17
15	—	NC	35	I	INC0	55	I	$\overline{\text{OE2}}$	75	O	DO16
16	I	ADD0	36	—	NC	56	I	CKR2	76	—	NC
17	I	APM	37	I	VCLR0	57	O	DO27	77	O	DO15
18	—	NC	38	I	$\overline{\text{WE}}$	58	O	DO26	78	O	DO14
19	—	NC	39	I	CKW	59	O	DO25	79	—	GND
20	—	GND	40	—	NC	60	O	DO24	80	—	NC

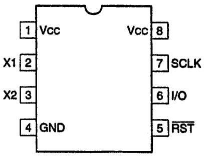


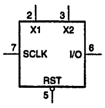
TRANSFER CONTROL
H. V READ ADDRESS COUNTER 1
11 HCLR 1
8 VCLR 1
9 INC 1
AMP 17
RM 32
OUTPUT 1 BUFFER (60 x 8 BITS)
6 CKR 1
7 OE 1
5 - 2, 78, 77, 75, 74
DOUT10 - DOUT17
50 - 43
DIN0 - DIN7
(8)
INPUT BUFFER (60 x 8 BITS)
D RAM CORE (960 x 306 x 8 BITS)
69, 67, 65, 64, 60 - 57
DOUT20 - DOUT27
OUTPUT 2 BUFFER (60 x 8 BITS)
56 CKR 2
55 OE 2
WE 38
CKW 39
HCLR 0 33
VCLR 0 37
INC 0 35
H. V WRITING ADDRESS COUNTER
H. V READ ADDRESS COUNTER 2
52 HCLR 2
54 VCLR 2
53 INC 2
(4)
16, 14 - 12
ADD0 - ADD3

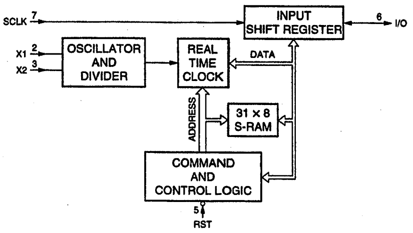
DS1302Z-TE2 (DALLAS)

REAL TIME CLOCK

—TOP VIEW—


1 Vcc
2 X1
3 X2
4 GND
8 Vcc
7 SCLK
6 I/O
5 $\overline{RST}$

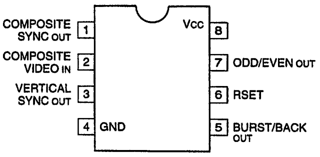

2 X1
3 X2
7 SCLK
8 I/O
5 RST

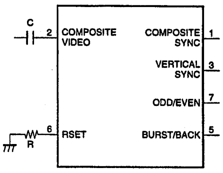

SCLK 7
INPUT SHIFT REGISTER
6 I/O
X1 2
X2 3
OSCILLATOR AND DIVIDER
REAL TIME CLOCK
DATA
ADDRESS
31 × 8 S-RAM
COMMAND AND CONTROL LOGIC
5 RST

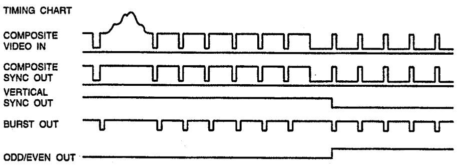
EL4581CS-TE2 (ELANTEC)

VIDEO SYNC SEPARATOR

—TOP VIEW—


COMPOSITE SYNC OUT 1
COMPOSITE VIDEO IN 2
VERTICAL SYNC OUT 3
4 GND
Vcc 8
7 ODD/EVEN OUT
6 RSET
5 BURST/BACK OUT

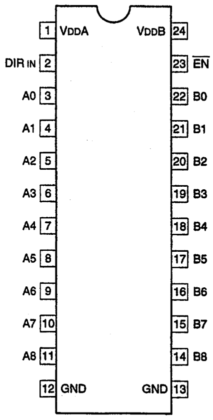

C
2 COMPOSITE VIDEO
6 RSET
R
COMPOSITE SYNC 1
VERTICAL SYNC 3
ODD/EVEN 7
BURST/BACK 5

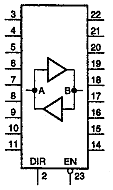


HD151015T (HITACHI)
HD151015TEL

C-MOS 9-BIT LEVEL SHIFTER/TRANSCEIVER WITH 3-STATE OUTPUTS

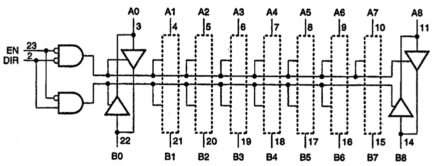
—TOP VIEW—


1 VDDA
2 DIR IN
3 A0
4 A1
5 A2
6 A3
7 A4
8 A5
9 A6
10 A7
11 A8
12 GND
24 VDDB
23 $\overline{EN}$ IN
22 B0
21 B1
20 B2
19 B3
18 B4
17 B5
16 B6
15 B7
14 B8
13 GND


3
4
5
6
7
8
9
10
11
A
B
22
21
20
19
18
17
16
15
14
DIR
EN
2
23

EN	DIR	OPERATION
0	0	B to A
0	1	A to B
1	×	HI-Z

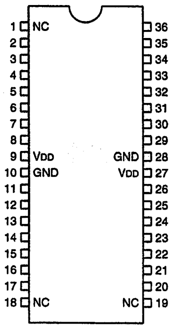
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE


EN 23
DIR 2
A0 3
A1 4
A2 5
A3 6
A4 7
A5 8
A6 9
A7 10
A8 11
22 B0
21 B1
20 B2
19 B3
18 B4
17 B5
16 B6
15 B7
14 B8

HM62W9127HJP-35 (HITACHI)
HM62W9127HJP-35Z

C-MOS 1M (128K × 9)-BIT SRAM

—TOP VIEW—


1 NC
2
3
4
5
6
7
8
9 VDD
10 GND
11
12
13
14
15
16
17
18 NC
36
35
34
33
32
31
30
29
GND 28
VDD 27
26
25
24
23
22
21
20
NC 19

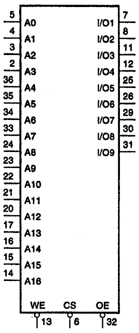
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	NC	19	—	NC
2	I	A3	20	I	A12
3	I	A2	21	I	A11
4	I	A1	22	I	A10
5	I	A0	23	I	A9
6	I	$\overline{CS}$	24	I	A8
7	I/O	I/O1	25	I/O	I/O5
8	I/O	I/O2	26	I/O	I/O6
9	—	VDD	27	—	VDD
10	—	GND	28	—	GND
11	I/O	I/O3	29	I/O	I/O7
12	I/O	I/O4	30	I/O	I/O8
13	I	$\overline{WE}$	31	I/O	I/O9
14	I	A16	32	I	$\overline{OE}$
15	I	A15	33	I	A7
16	I	A14	34	I	A6
17	I	A13	35	I	A5
18	—	NC	36	I	A4

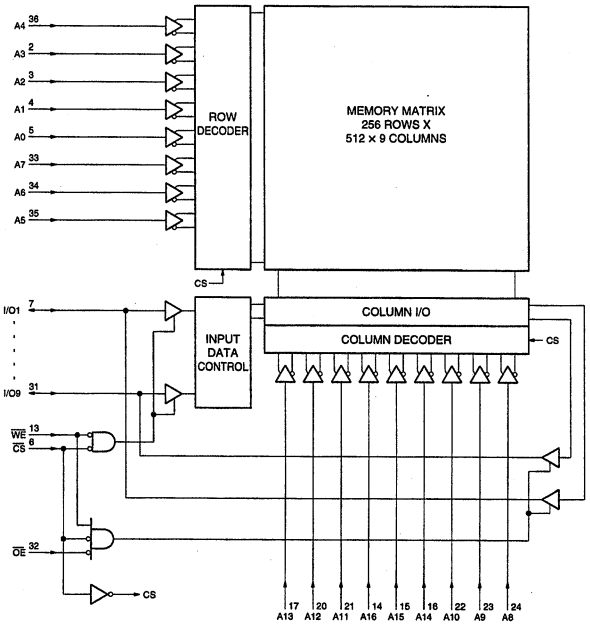
INPUT
A0 - A16 ; ADDRESS INPUTS
$\overline{CS}$; CHIP SELECT
$\overline{OE}$; OUTPUT ENABLE INPUT
$\overline{WE}$; WRITE ENABLE INPUT

INPUT/OUTPUT
I/O1 - I/O9 ; DATA INPUTS/OUTPUTS

$\overline{CS}$	$\overline{OE}$	$\overline{WE}$	MODE	I/O
1	×	×	NON SELECT	HI-Z
0	1	1	OUTPUT DISABLE	HI-Z
0	0	1	READ	OUTPUT
0	×	0	WRITE	INPUT

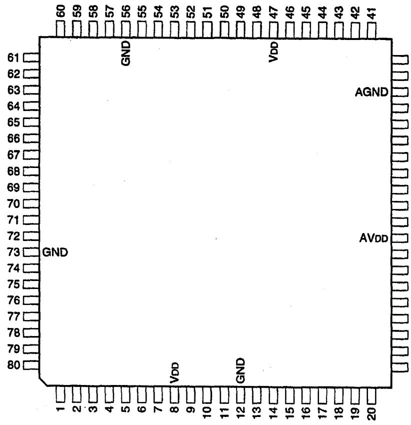
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE


5 A0
4 A1
3 A2
2 A3
36 A4
35 A5
34 A6
33 A7
24 A8
23 A9
22 A10
21 A11
20 A12
17 A13
16 A14
15 A15
14 A16
I/O1 7
I/O2 8
I/O3 11
I/O4 12
I/O5 25
I/O6 26
I/O7 29
I/O8 30
I/O9 31
WE 13
CS 6
OE 32

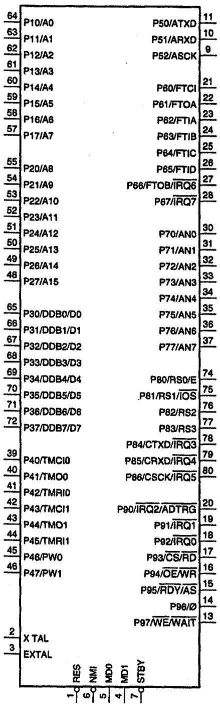

A4 36
A3 2
A2 3
A1 4
A0 5
A7 33
A6 34
A5 35
ROW DECODER
MEMORY MATRIX 256 ROWS X 512 x 9 COLUMNS
CS
I/O1 7
I/O9 31
INPUT DATA CONTROL
COLUMN I/O
COLUMN DECODER
CS
$\overline{WE}$ 13
$\overline{CS}$ 6
$\overline{OE}$ 32
CS
17 A13
20 A12
21 A11
14 A16
15 A15
16 A14
22 A10
23 A9
24 A8

HD6433308RC69F (HITACHI)
HD6473308RF10

8-BIT SINGLE CHIP MICROCOMPUTER
—TOP VIEW—


GND
VDD
AGND
AVDD
GND
VDD
GND

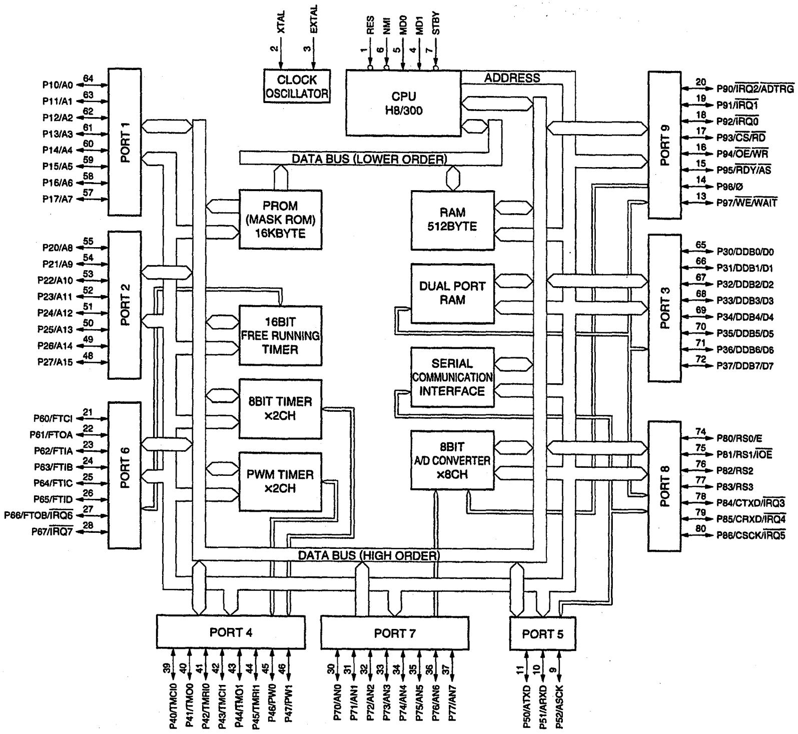
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	$\overline{\text{RES}}$	21	I/O	P60/FTCI	41	I/O	P42/TMRI0	61	I/O	P13/A3
2	I	XTAL	22	I/O	P61/FTOA	42	I/O	P43/TMCI1	62	I/O	P12/A2
3	I	EXTAL	23	I/O	P62/FTIA	43	I/O	P44/TMO1	63	I/O	P11/A1
4	I	MD1	24	I/O	P63/FTIB	44	I/O	P45/TMRI1	64	I/O	P10/A0
5	I	MD0	25	I/O	P64/FTIC	45	I/O	P46/PW0	65	I/O	P30/DDB0/D0
6	I	$\overline{\text{NMI}}$	26	I/O	P65/FTID	46	I/O	P47/PW1	66	I/O	P31/DDB1/D1
7	I	$\overline{\text{STBY}}$	27	I/O	P66/FTOB/$\overline{\text{IRQ6}}$	47	—	VDD	67	I/O	P32/DDB2/D2
8	—	VDD	28	I/O	P67/$\overline{\text{IRQ7}}$	48	I/O	P27/A15	68	I/O	P33/DDB3/D3
9	I/O	P52/ASCK	29	—	AVDD	49	I/O	P26/A14	69	I/O	P34/DDB4/D4
10	I/O	P51/ARXD	30	I	P70/AN0	50	I/O	P25/A13	70	I/O	P35/DDB5/D5
11	I/O	P50/ATXD	31	I	P71/AN1	51	I/O	P24/A12	71	I/O	P36/DDB6/D6
12	—	GND	32	I	P72/AN2	52	I/O	P23/A11	72	I/O	P37/DDB7/D7
13	I/O	P97/$\overline{\text{WE}}$/$\overline{\text{WAIT}}$	33	I	P73/AN3	53	I/O	P22/A10	73	—	GND
14	I/O	P96/Ø	34	I	P74/AN4	54	I/O	P21/A9	74	I/O	P80/RS0/E
15	I/O	P95/$\overline{\text{RDY}}$/$\overline{\text{AS}}$	35	I	P75/AN5	55	I/O	P20/A8	75	I/O	P81/RS1/$\overline{\text{IOS}}$
16	I/O	P94/$\overline{\text{OE}}$/$\overline{\text{WR}}$	36	I	P76/AN6	56	—	GND	76	I/O	P82/RS2
17	I/O	P93/$\overline{\text{CS}}$/$\overline{\text{RD}}$	37	I	P77/AN7	57	I/O	P17/A7	77	I/O	P83/RS3
18	I/O	P92/$\overline{\text{IRQ0}}$	38	—	AGND	58	I/O	P16/A6	78	I/O	P84/CTXD/$\overline{\text{IRQ3}}$
19	I/O	P91/$\overline{\text{IRQ1}}$	39	I/O	P40/TMCI0	59	I/O	P15/A5	79	I/O	P85/CRXD/$\overline{\text{IRQ4}}$
20	I/O	P90/ADTRG/$\overline{\text{IRQ2}}$	40	I/O	P41/TMO0	60	I/O	P14/A4	80	I/O	P86/CSCK/$\overline{\text{IRQ5}}$


P10/A0
P11/A1
P12/A2
P13/A3
P14/A4
P15/A5
P16/A6
P17/A7
P20/A8
P21/A9
P22/A10
P23/A11
P24/A12
P25/A13
P26/A14
P27/A15
P30/DDB0/D0
P31/DDB1/D1
P32/DDB2/D2
P33/DDB3/D3
P34/DDB4/D4
P35/DDB5/D5
P36/DDB6/D6
P37/DDB7/D7
P40/TMCI0
P41/TMO0
P42/TMRI0
P43/TMCI1
P44/TMO1
P45/TMRI1
P46/PW0
P47/PW1
XTAL
EXTAL
P50/ATXD
P51/ARXD
P52/ASCK
P60/FTCI
P61/FTOA
P62/FTIA
P63/FTIB
P64/FTIC
P65/FTID
P66/FTOB/IRQ6
P67/IRQ7
P70/AN0
P71/AN1
P72/AN2
P73/AN3
P74/AN4
P75/AN5
P76/AN6
P77/AN7
P80/RS0/E
P81/RS1/IOS
P82/RS2
P83/RS3
P84/CTXD/IRQ3
P85/CRXD/IRQ4
P86/CSCK/IRQ5
P90/IRQ2/ADTRG
P91/IRQ1
P92/IRQ0
P93/CS/RD
P94/OE/WR
P95/RDY/AS
P96/Ø
P97/WE/WAIT
RES
NMI
MD0
MD1
STBY

INPUT
A15 - A0 ; ADDRESS BUS
ADTRG ; A/D CONVERSION EXIT TRIGGER
AN7 - AN0 ; ANALOG
ARXD, CRXD ; RECEIVE DATA
CS ; CHIP SELECT
FTCI ; FREE RUNNING TIMER CLOCK
IRQ0 - IRQ7 ; INTERRUPT REQUEST
MD0, MD1 ; MODE
NMI ; INTERRUPT FOR NO MASKING
OE ; OUTPUT ENABLE
P77 - P70 ; PORT 7
RES ; RESET
RS3 - RS0 ; REGISTER SELECT
STBY ; STANDBY
TMCI0, TMCI1 ; 8-BIT TIMER CLOCK
TMRI0, TMRI1 ; 8-BIT TIMER COUNTER RESET
XTAL, EXTAL ; CRYSTAL
WAIT ; WAIT
WE ; WRITE ENABLE

OUTPUT
ATXD, CTXD ; TRANSMIT DATA
AS ; ADDRESS STROBE
E ; ENABLE CLOCK
FTOA, FTOB ; FREE RUNNING TIMER COMPARE
IOS ; I/O SELECT
PW0, PW1 ; PWM TIMER
RD ; READ
RDY ; READY
TMO0, TMO1 ; 8-BIT TIMER
WR ; WRITE
Ø ; SYSTEM CLOCK

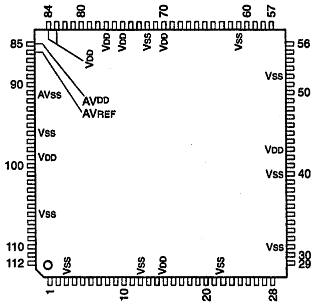
INPUT/OUTPUT
ASCK, CSCK ; SERIAL CLOCK
D7 - D0 ; DATA BUS
DDB7 - DDB0 ; DPRAM DATA BUS
P17 - P10 ; PORT 1
P27 - P20 ; PORT 2
P37 - P30 ; PORT 3
P47 - P40 ; PORT 4
P52 - P50 ; PORT 5
P67 - P60 ; PORT 6
P86 - P80 ; PORT 8
P97 - P90 ; PORT 9


XTAL
EXTAL
RES
NMI
MD0
MD1
STBY
CLOCK OSCILLATOR
CPU H8/300
ADDRESS
DATA BUS (LOWER ORDER)
PROM (MASK ROM) 16KBYTE
RAM 512BYTE
DUAL PORT RAM
16BIT FREE RUNNING TIMER
SERIAL COMMUNICATION INTERFACE
8BIT TIMER x2CH
8BIT A/D CONVERTER x8CH
PWM TIMER x2CH
DATA BUS (HIGH ORDER)
PORT 1
PORT 2
PORT 6
PORT 9
PORT 3
PORT 8
PORT 4
PORT 7
PORT 5

IC

HD6417032F20 (HITACHI)

C-MOS 32-BIT RISC MICROCOMPUTER
—TOP VIEW—



Vss = GND
AVss = AGND

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	PB14/TP14/$\overline{\text{IRQ6}}$	39	O	A15	77	—	VDD
2	I/O	PB15/TP15/$\overline{\text{IRQ7}}$	40	—	Vss	78	O	$\overline{\text{WDTOVF}}$
3	—	Vss	41	O	A16	79	I	$\overline{\text{RES}}$
4	I/O	AD0	42	O	A17	80	I	MD0
5	I/O	AD1	43	—	VDD	81	I	MD1
6	I/O	AD2	44	O	A18	82	I	MD2
7	I/O	AD3	45	O	A19	83	—	VDD
8	I/O	AD4	46	O	A20	84	—	VDD
9	I/O	AD5	47	O	A21	85	—	AVDD
10	I/O	AD6	48	O	$\overline{\text{CS0}}$	86	I	AVREF
11	I/O	AD7	49	O	$\overline{\text{CS1}}$/$\overline{\text{CASH}}$	87	I	PC0/AN0
12	—	Vss	50	O	$\overline{\text{CS2}}$	88	I	PC1/AN1
13	I/O	AD8	51	O	$\overline{\text{CS3}}$/$\overline{\text{CASL}}$	89	I	PC2/AN2
14	I/O	AD9	52	—	Vss	90	I	PC3/AN3
15	—	VDD	53	I/O	PA0/$\overline{\text{CS4}}$/TIOCA0	91	—	AVss
16	I/O	AD10	54	I/O	PA1/$\overline{\text{CS5}}$/$\overline{\text{RAS}}$	92	I	PC4/AN4
17	I/O	AD11	55	I/O	PA2/$\overline{\text{CS6}}$/TIOCB0	93	I	PC5/AN5
18	I/O	AD12	56	I/O	PA3/$\overline{\text{CS7}}$/$\overline{\text{WAIT}}$	94	I	PC6/AN6
19	I/O	AD13	57	I/O	PA4/$\overline{\text{WRL}}$ ($\overline{\text{WR}}$)	95	I	PC7/AN7
20	I/O	AD14	58	I/O	PA5/$\overline{\text{WRH}}$ ($\overline{\text{LBS}}$)	96	—	Vss
21	I/O	AD15	59	I/O	PA6/$\overline{\text{RD}}$	97	I/O	PB0/TP0/TIOCA2
22	—	Vss	60	I/O	PA7/$\overline{\text{BACK}}$	98	I/O	PB1/TP1/TIOCB2
23	O	A0 ($\overline{\text{HBS}}$)	61	—	Vss	99	—	VDD
24	O	A1	62	I/O	PA8/$\overline{\text{BREQ}}$	100	I/O	PB2/TP2/TIOCA3
25	O	A2	63	I/O	PA9/$\overline{\text{AH}}$/$\overline{\text{IRQOUT}}$/$\overline{\text{ADTRG}}$	101	I/O	PB3/TP3/TIOCB3
26	O	A3	64	I/O	PA10/DPL/TIOCA1	102	I/O	PB4/TP4/TIOCA4
27	O	A4	65	I/O	PA11/DPH/TIOCB1	103	I/O	PB5/TP5/TIOCB4
28	O	A5	66	I/O	PA12/$\overline{\text{IRQ0}}$/DACK0/TCLKA	104	I/O	PB6/TP6/TOCXA4/TCLKC
29	O	A6	67	I/O	PA13/$\overline{\text{IRQ1}}$/$\overline{\text{DREQ0}}$/TCLKB	105	I/O	PB7/TP7/TOCXB4/TCLKD
30	O	A7	68	I/O	PA14/$\overline{\text{IRQ2}}$/DACK1	106	—	Vss
31	—	Vss	69	I/O	PA15/$\overline{\text{IRQ3}}$/$\overline{\text{DREQ1}}$	107	I/O	PB8/TP8/RXD0
32	O	A8	70	—	VDD	108	I/O	PB9/TP9/TXD0
33	O	A9	71	O	CK	109	I/O	PB10/TP10/RXD1
34	O	A10	72	—	Vss	110	I/O	PB11/TP11/TXD1
35	O	A11	73	I	EXTAL	111	I/O	PB12/TP12/$\overline{\text{IRQ4}}$/SCK0
36	O	A12	74	I	XTAL	112	I/O	PB13/TP13/$\overline{\text{IRQ5}}$/SCK1
37	O	A13	75	—	VDD			
38	O	A14	76	I	NMI			

INPUT

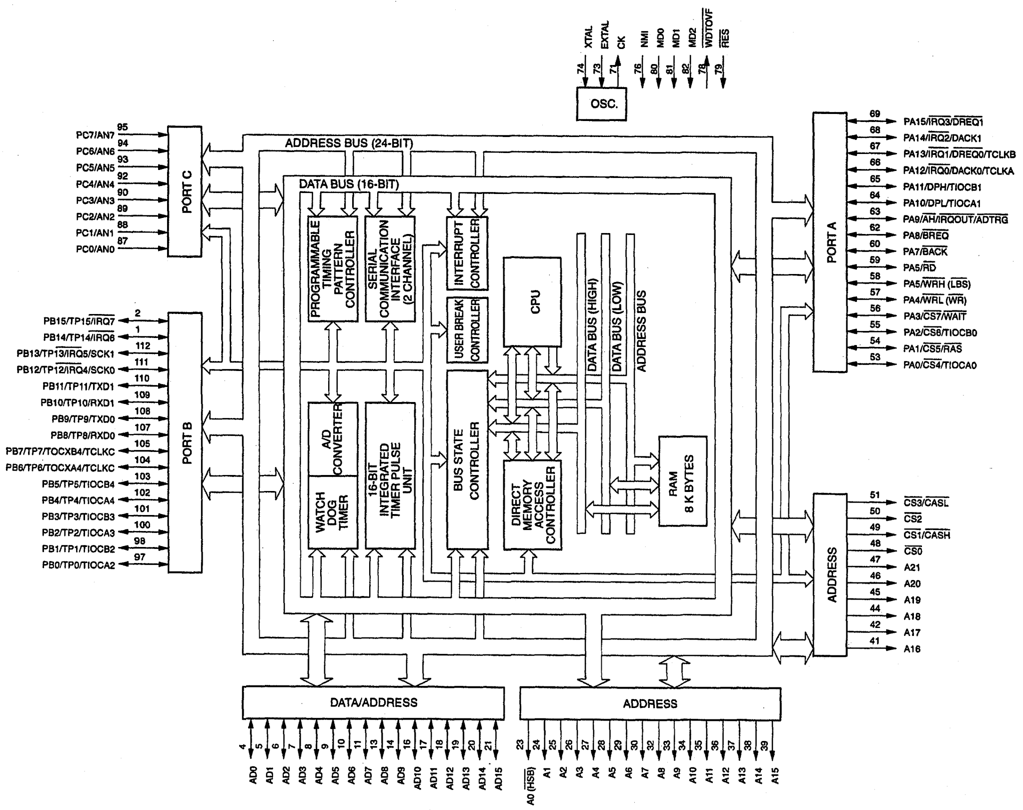
$\overline{\text{ADTRG}}$: A/D CONVERSION TRIGGER
AN0 - AN7 : ANALOG
$\overline{\text{BREQ}}$: BUS REQUEST
$\overline{\text{DREQ0}}$, $\overline{\text{DREQ1}}$: DMA REQUEST
EXTAL : CRYSTAL OSCILLATION OR EXTERNAL CLOCK
$\overline{\text{IRQ0}}$ - $\overline{\text{IRQ7}}$: MASKABLE INTERRUPT REQUEST
LBS : LOW BYTE STROBE
MD0 - MD2 : MODE CONTROL
NMI : NON-MASKABLE INTERRUPT REQUEST
$\overline{\text{RES}}$: RESET
RXD0, RXD1 : RECEIVE DATA
TCLKA - TCLKD : ITU TIMER CLOCK
$\overline{\text{WAIT}}$: WAIT
$\overline{\text{WR}}$: WRITE
$\overline{\text{WRH}}$: HIGH ORDER WRITE
$\overline{\text{WRL}}$: LOW ORDER WRITE
XTAL : CRYSTAL OSCILLATION

OUTPUT

A0 (HBS) - A21 : ADDRESS BUS
$\overline{\text{AH}}$: ADDRESS HOLD
$\overline{\text{BACK}}$: BUS REQUEST ACKNOWLEDGE
$\overline{\text{CASH}}$: HIGH ORDER COLUMN ADDRESS STROBE
$\overline{\text{CASL}}$: LOW ORDER COLUMN ADDRESS STROBE
CK : SYSTEM CLOCK
$\overline{\text{CS0}}$ - $\overline{\text{CS7}}$: CHIP SELECT
DACK0, DACK1 : DMA ACKNOWLEDGE
$\overline{\text{IRQOUT}}$: SLAVE INTERRUPT REQUEST
$\overline{\text{RAS}}$: ROW ADDRESS STROBE
$\overline{\text{RD}}$: READ
TOCXA4 : ITU OUTPUT COMPARE A (CH4)
TOCXB4 : ITU OUTPUT COMPARE B (CH4)
TP0 - TP15 : TIMING PATTERN
TXD0, TXD1 : TRANSMISSION DATA
$\overline{\text{WDTOVF}}$: WATCHDOG TIMER OVERFLOW

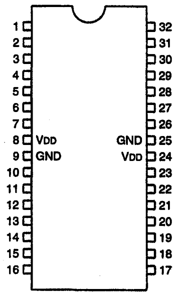
INPUT/OUTPUT

AD0 - AD15 : DATA BUS
DPH : HIGH ORDER DATA BUS PARITY
DPL : LOW ORDER DATA BUS PARITY
PA0 - PA15 : PORT A
PB0 - PB15 : PORT B
PC0 - PC7 : PORT C
SCK0, SCK1 : SERIAL CLOCK
TIOCA0 - TIOCA4 : ITU INPUT CAPTURE/OUTPUT COMPARE A (CH0 - 4)
TIOCB0 - TIOCB4 : ITU INPUT CAPTURE/OUTPUT COMPARE B (CH0 - 4)


XTAL
EXTAL
CK
NMI
MD0
MD1
MD2
WDTOVF
RES
74
73
71
76
80
81
82
78
79
OSC.
ADDRESS BUS (24-BIT)
DATA BUS (16-BIT)
PC7/AN7 95
PC6/AN6 94
PC5/AN5 93
PC4/AN4 92
PC3/AN3 90
PC2/AN2 89
PC1/AN1 88
PC0/AN0 87
PORT C
PB15/TP15/IRQ7 2
PB14/TP14/IRQ6 1
PB13/TP13/IRQ5/SCK1 112
PB12/TP12/IRQ4/SCK0 111
PB11/TP11/TXD1 110
PB10/TP10/RXD1 109
PB9/TP9/TXD0 108
PB8/TP8/RXD0 107
PB7/TP7/TOCXB4/TCLKC 105
PB6/TP6/TOCXA4/TCLKC 104
PB5/TP5/TIOCB4 103
PB4/TP4/TIOCA4 102
PB3/TP3/TIOCB3 101
PB2/TP2/TIOCA3 100
PB1/TP1/TIOCB2 98
PB0/TP0/TIOCA2 97
PORT B
PROGRAMMABLE TIMING PATTERN CONTROLLER
SERIAL COMMUNICATION INTERFACE (2 CHANNEL)
INTERRUPT CONTROLLER
USER BREAK CONTROLLER
CPU
DATA BUS (HIGH)
DATA BUS (LOW)
ADDRESS BUS
A/D CONVERTER
WATCH DOG TIMER
16-BIT INTEGRATED TIMER PULSE UNIT
BUS STATE CONTROLLER
DIRECT MEMORY ACCESS CONTROLLER
RAM 8 K BYTES
PORT A
69 PA15/IRQ3/DREQ1
68 PA14/IRQ2/DACK1
67 PA13/IRQ1/DREQ0/TCLKB
66 PA12/IRQ0/DACK0/TCLKA
65 PA11/DPH/TIOCB1
64 PA10/DPL/TIOCA1
63 PA9/AH/IRQOUT/ADTRG
62 PA8/BREQ
60 PA7/BACK
59 PA5/RD
58 PA5/WRH (LBS)
57 PA4/WRL (WR)
56 PA3/CS7/WAIT
55 PA2/CS6/TIOCB0
54 PA1/CS5/RAS
53 PA0/CS4/TIOCA0
ADDRESS
51 CS3/CASL
50 CS2
49 CS1/CASH
48 CS0
47 A21
46 A20
45 A19
44 A18
42 A17
41 A16
DATA/ADDRESS
4 AD0
5 AD1
6 AD2
7 AD3
8 AD4
9 AD5
10 AD6
11 AD7
13 AD8
14 AD9
16 AD10
17 AD11
18 AD12
19 AD13
20 AD14
21 AD15
ADDRESS
23 A0 (HSB)
24 A1
25 A2
26 A3
27 A4
28 A5
29 A6
30 A7
32 A8
33 A9
34 A10
35 A11
36 A12
37 A13
38 A14
39 A15

IDT71V124S15Y-TL (IDT)

C-MOS 1 M (131,072 × 8)-BIT SRAM
—TOP VIEW—


1
2
3
4
5
6
7
8 VDD
9 GND
10
11
12
13
14
15
16
32
31
30
29
28
27
26
GND 25
VDD 24
23
22
21
20
19
18
17

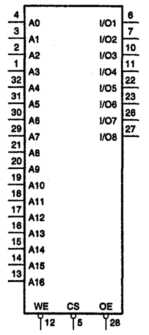
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	A3	17	I	A12
2	I	A2	18	I	A11
3	I	A1	19	I	A10
4	I	A0	20	I	A9
5	I	$\overline{CS}$	21	I	A8
6	I/O	I/O1	22	I/O	I/O5
7	I/O	I/O2	23	I/O	I/O6
8	—	VDD	24	—	VDD
9	—	GND	25	—	GND
10	I/O	I/O3	26	I/O	I/O7
11	I/O	I/O4	27	I/O	I/O8
12	I	$\overline{WE}$	28	I	$\overline{OE}$
13	I	A16	29	I	A7
14	I	A15	30	I	A6
15	I	A14	31	I	A5
16	I	A13	32	I	A4

INPUT

A0 - A16 : ADDRESS INPUTS
$\overline{CS}$: CHIP SELECT
$\overline{OE}$: OUTPUT ENABLE INPUT
$\overline{WE}$: WRITE ENABLE INPUT

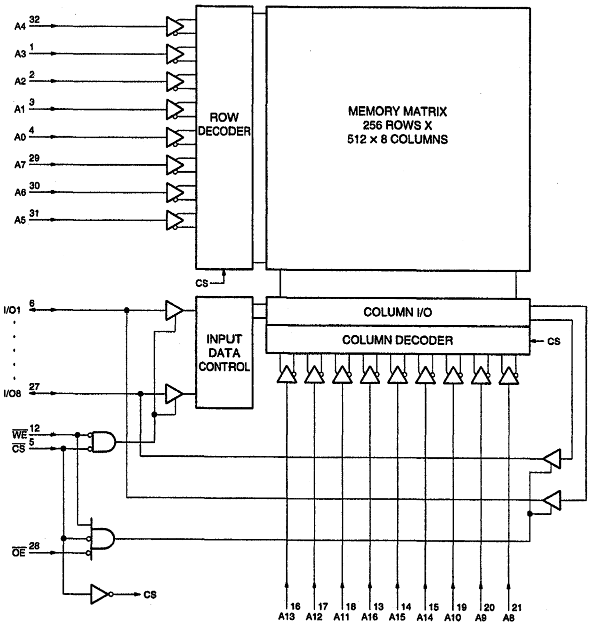
INPUT/OUTPUT

I/O1 - I/O8 : DATA INPUTS/OUTPUTS


4 A0
3 A1
2 A2
1 A3
32 A4
31 A5
30 A6
29 A7
21 A8
20 A9
19 A10
18 A11
17 A12
16 A13
15 A14
14 A15
13 A16
I/O1 6
I/O2 7
I/O3 10
I/O4 11
I/O5 22
I/O6 23
I/O7 26
I/O8 27
WE 12
CS 5
OE 28

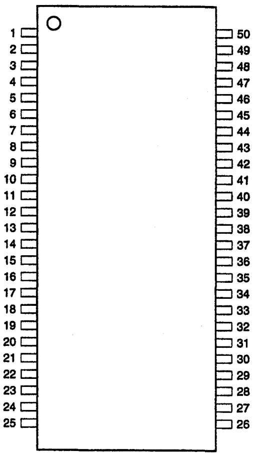
$\overline{CS}$	$\overline{OE}$	$\overline{WE}$	MODE	I/O
1	×	×	NON SELECT	HI-Z
0	1	1	OUTPUT DISABLE	HI-Z
0	0	1	READ	OUTPUT
0	×	0	WRITE	INPUT

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE


A4 32
A3 1
A2 2
A1 3
A0 4
A7 29
A6 30
A5 31
ROW DECODER
MEMORY MATRIX 256 ROWS X 512 x 8 COLUMNS
CS
I/O1 6
I/O8 27
INPUT DATA CONTROL
COLUMN I/O
COLUMN DECODER
CS
$\overline{WE}$ 12
$\overline{CS}$ 5
$\overline{OE}$ 28
CS
16 A13
17 A12
18 A11
13 A16
14 A15
15 A14
19 A10
20 A9
21 A8

KM416V4104BS-L6 (SAMSUNG)

64 M (4,194,304 × 16)-BIT DRAM WITH EXTENDED DATA OUT
—TOP VIEW—


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
50
49
48
47
46
45
44
43
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	Vcc	26	—	GND
2	I/O	DQ0	27	I	A6
3	I/O	DQ1	28	I	A7
4	I/O	DQ2	29	I	A8
5	I/O	DQ3	30	I	A9
6	—	Vcc	31	I	A10
7	I/O	DQ4	32	I	A11
8	I/O	DQ5	33	I	A12 (NC)*
9	I/O	DQ6	34	—	NC
10	I/O	DQ7	35	—	NC
11	—	NC	36	O	$\overline{OE}$
12	—	Vcc	37	I	$\overline{UCAS}$
13	I	$\overline{W}$	38	I	$\overline{LCAS}$
14	I	$\overline{RAS}$	39	—	GND
15	—	NC	40	—	NC
16	—	NC	41	I/O	DQ8
17	—	NC	42	I/O	DQ9
18	—	NC	43	I/O	DQ10
19	I	A0	44	I/O	DQ11
20	I	A1	45	—	GND
21	I	A2	46	I/O	DQ12
22	I	A3	47	I/O	DQ13
23	I	A4	48	I/O	DQ14
24	I	A5	49	I/O	DQ15
25	—	Vcc	50	—	GND

* (NC) : NC FOR 4 K PRODUCT

INPUTS

A0 - A12 : ADDRESS (8 K PRODUCT: KM416V4004B)
A0 - A11 : ADDRESS (4 K PRODUCT: KM416V4104B)
$\overline{LCAS}$: LOWER COLUMN ADDRESS STROBE
$\overline{RAS}$: ROW ADDRESS STROBE
$\overline{UCAS}$: UPPER COLUMN ADDRESS STROBE
$\overline{W}$: READ/WRITE

OUTPUT

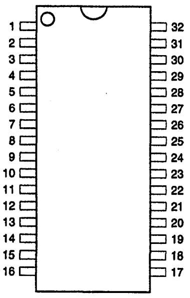
$\overline{OE}$: DATA ENABLE

INPUTS/OUTPUTS

DQ0 - DQ15 : DATA

KM48V8104BS-L6T (SAMSUNG)

64M (8,388,608×8)-BIT DRAM WITH EXTENDED DATA OUT
—TOP VIEW—


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
32
31
30
29
28
27
26
25
24
23
22
21
20
19
18
17

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	Vcc	17	—	GND
2	I/O	DQ0	18	I	A6
3	I/O	DQ1	19	I	A7
4	I/O	DQ2	20	I	A8
5	I/O	DQ3	21	I	A9
6	—	NC	22	I	A10
7	—	Vcc	23	I	A11
8	I	$\overline{W}$	24	I	A12 (NC)*
9	I	$\overline{RAS}$	25	I	$\overline{OE}$
10	I	A0	26	I	$\overline{CAS}$
11	I	A1	27	—	GND
12	I	A2	28	I/O	DQ4
13	I	A3	29	I/O	DQ5
14	I	A4	30	I/O	DQ6
15	I	A5	31	I/O	DQ7
16	—	Vcc	32	—	GND

* (NC) : NC FOR 4 K REFRESH PRODUCT

INPUTS

A0 - A12 : ADDRESS
$\overline{CAS}$: COLUMN ADDRESS STROBE
$\overline{OE}$: DATA ENABLE
$\overline{RAS}$: ROW ADDRESS STROBE
$\overline{W}$: READ/WRITE

INPUTS/OUTPUTS

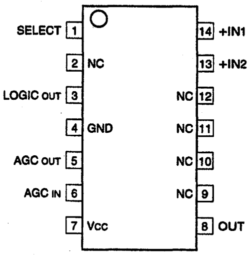
DQ0 - DQ7 : DATA

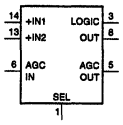
OTHER

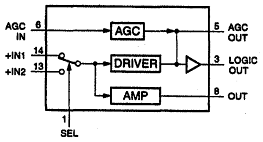
NC : NO CONNECTION

LA7205M (SANYO)
LA7205M-TE-L

AGC AMP, INPUT SELECT, AGC DET, COMPARATOR
—TOP VIEW—

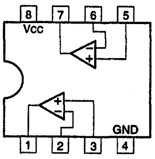

SELECT 1
2 NC
LOGIC OUT 3
4 GND
AGC OUT 5
AGC IN 6
7 Vcc
14 +IN1
13 +IN2
NC 12
NC 11
NC 10
NC 9
8 OUT


14 +IN1
13 +IN2
6 AGC IN
LOGIC OUT 3
8
AGC OUT 5
SEL
1


AGC IN 6
+IN1 14
+IN2 13
AGC
DRIVER
AMP
5 AGC OUT
3 LOGIC OUT
8 OUT
1
SEL

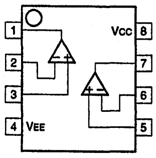
LM2903PW-E05 (TI)
NJM2903M (JRC)
NJM2903M-TE2

DUAL VOLTAGE COMPARATORS
—TOP VIEW—


8
7
6
5
Vcc
GND
1
2
3
4

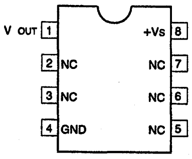
LM358PW (TI)
LM358PW-E05
NJM2904V(TE2) (JRC)
UPC4572G2-E2 (NEC)

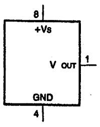
DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)
—TOP VIEW—


1
2
3
4 VEE
Vcc 8
7
6
5

LM35DM (NS)
LM35DMX

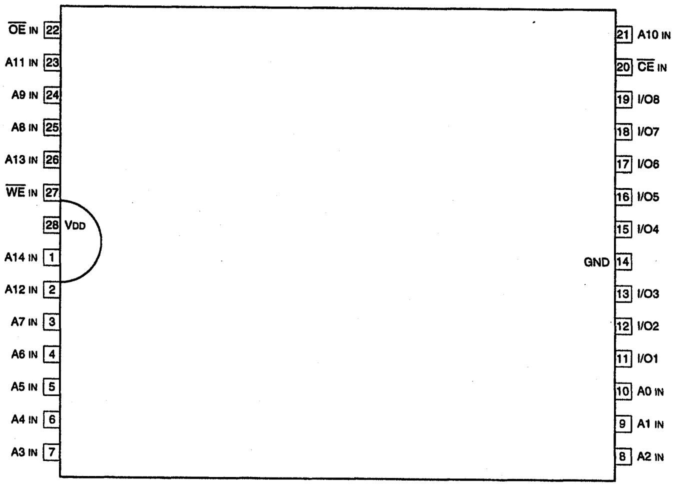
TEMPERATURE SENSOR
—TOP VIEW—

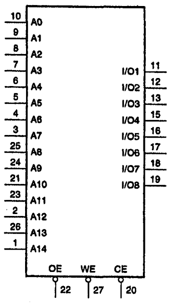

V OUT 1
2 NC
3 NC
4 GND
+Vs 8
NC 7
NC 6
NC 5


8
+Vs
V OUT 1
GND
4

LC35256DT-70-TLM (SANYO)

C-MOS 256 K (32,768 × 8)-BIT SRAM
—TOP VIEW—

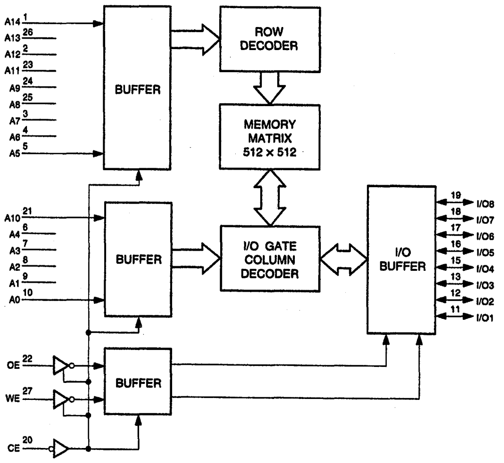

OE IN 22
A11 IN 23
A9 IN 24
A8 IN 25
A13 IN 26
WE IN 27
28 VDD
A14 IN 1
A12 IN 2
A7 IN 3
A6 IN 4
A5 IN 5
A4 IN 6
A3 IN 7
21 A10 IN
20 CE IN
19 I/O8
18 I/O7
17 I/O6
16 I/O5
15 I/O4
GND 14
13 I/O3
12 I/O2
11 I/O1
10 A0 IN
9 A1 IN
8 A2 IN


10 A0
9 A1
8 A2
7 A3
6 A4
5 A5
4 A6
3 A7
25 A8
24 A9
21 A10
23 A11
2 A12
26 A13
1 A14
I/O1 11
I/O2 12
I/O3 13
I/O4 15
I/O5 16
I/O6 17
I/O7 18
I/O8 19
OE
WE
CE
22
27
20

A0 - A14 : ADDRESS INPUTS
CE : CHIP ENABLE INPUT
I/O1 - I/O8 : DATA INPUTS/OUTPUTS
OE : OUTPUT ENABLE INPUT
WE : WRITE ENABLE INPUT

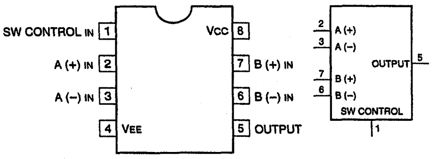
CE	OE	WE	MODE	I/O TERMINAL
1	×	×	NOT SELECT	HIGH IMPEDANCE
0	1	1	OUTPUT DISABLE	HIGH IMPEDANCE
0	0	1	READ	OUTPUT DATA
0	×	0	WRITE	INPUT DATA

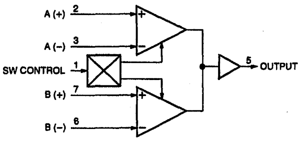
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE


A14 1
A13 26
A12 2
A11 23
A9 24
A8 25
A7 3
A6 4
A5 5
BUFFER
ROW DECODER
MEMORY MATRIX 512 x 512
A10 21
A4 6
A3 7
A2 8
A1 9
A0 10
BUFFER
I/O GATE COLUMN DECODER
I/O BUFFER
19 I/O8
18 I/O7
17 I/O6
16 I/O5
15 I/O4
13 I/O3
12 I/O2
11 I/O1
OE 22
WE 27
CE 20
BUFFER

M5201FP (MITSUBISHI)
M5201FP-600D

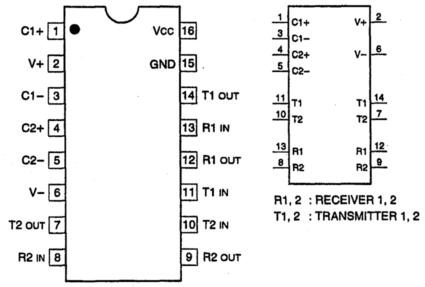
DUAL OPERATIONAL AMPLIFIERS WITH SWITCHED OUTPUT
—TOP VIEW—


SW CONTROL IN 1
A (+) IN 2
A (–) IN 3
4 VEE
Vcc 8
7 B (+) IN
6 B (–) IN
5 OUTPUT
2 A (+)
3 A (–)
7 B (+)
6 B (–)
OUTPUT 5
SW CONTROL
1

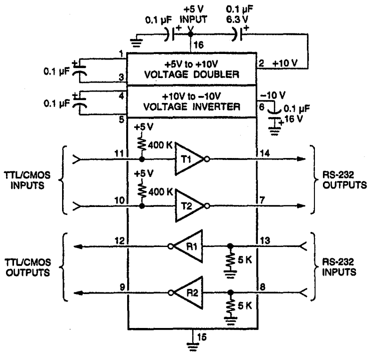

A (+) 2
A (–) 3
SW CONTROL 1
B (+) 7
B (–) 6
+
–
5 OUTPUT

MAX202CSE (MAXIM)
MAX202CSE-T

RS-232 TRANSMITTER/RECEIVER
—TOP VIEW—

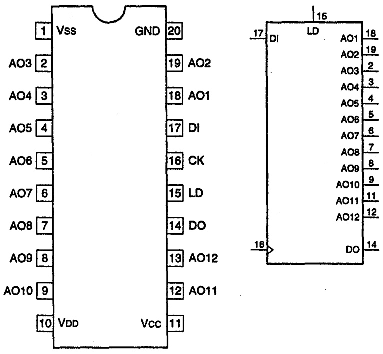

C1+ 1
V+ 2
C1– 3
C2+ 4
C2– 5
V– 6
T2 OUT 7
R2 IN 8
Vcc 16
GND 15
14 T1 OUT
13 R1 IN
12 R1 OUT
11 T1 IN
10 T2 IN
9 R2 OUT
1 C1+
3 C1–
4 C2+
5 C2–
11 T1
10 T2
13 R1
8 R2
V+ 2
V– 6
T1 14
T2 7
R1 12
R2 9

R1, 2 : RECEIVER 1, 2
T1, 2 : TRANSMITTER 1, 2

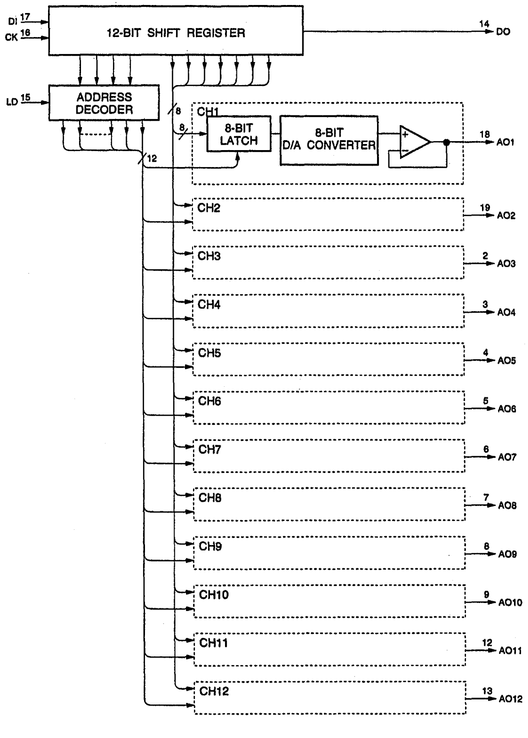

+5 V INPUT
0.1 µF
0.1 µF 6.3 V
16
1
3
0.1 µF
+5V to +10V VOLTAGE DOUBLER
2 +10 V
4
5
0.1 µF
+10V to –10V VOLTAGE INVERTER
–10 V
6
0.1 µF 16 V
+5 V
400 K
11
T1
14
+5 V
400 K
10
T2
7
TTL/CMOS INPUTS
RS-232 OUTPUTS
12
R1
13
5 K
9
R2
8
5 K
TTL/CMOS OUTPUTS
RS-232 INPUTS
15

M62352GP (MITSUBISHI)
M62352GP-75ED

C-MOS 8-BIT × 12-CHANNEL D/A CONVERTER (WITH BUFFER OPERATIONAL AMPLIFIER)
—TOP VIEW—

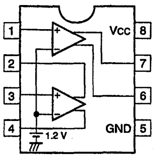

1 Vss
AO3 2
AO4 3
AO5 4
AO6 5
AO7 6
AO8 7
AO9 8
AO10 9
10 VDD
GND 20
19 AO2
18 AO1
17 DI
16 CK
15 LD
14 DO
13 AO12
12 AO11
Vcc 11
15
LD
17 DI
18
AO1 18
AO2 19
AO3 2
AO4 3
AO5 4
AO6 5
AO7 6
AO8 7
AO9 8
AO10 9
AO11 11
AO12 12
DO 14

AO1 - AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT


DI 17
CK 16
12-BIT SHIFT REGISTER
14 DO
LD 15
ADDRESS DECODER
8
8
12
CH1
8-BIT LATCH
8-BIT D/A CONVERTER
+
–
18 AO1
CH2
19 AO2
CH3
2 AO3
CH4
3 AO4
CH5
4 AO5
CH6
5 AO6
CH7
6 AO7
CH8
7 AO8
CH9
8 AO9
CH10
9 AO10
CH11
12 AO11
CH12
13 AO12

MB3761PF-ER (FUJITSU)

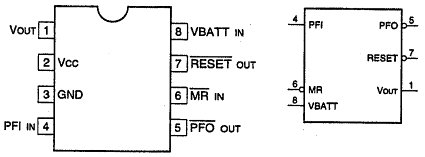
VOLTAGE DETECTOR
—TOP VIEW—


1
2
3
4
Vcc 8
7
6
GND 5
+
–
+
–
1.2 V

MAX703CSA-TE2 (MAXIM)

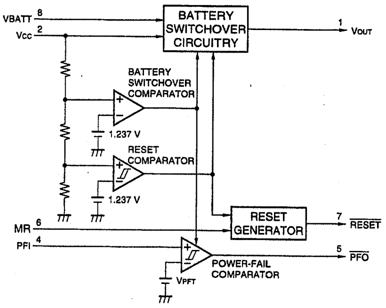
MICROPROCESSOR SUPERVISORY CIRCUIT

—TOP VIEW—


VOUT 1
2 VCC
3 GND
PFI IN 4
8 VBATT IN
7 RESET OUT
6 MR IN
5 PFO OUT
4 PFI
PFO 5
RESET 7
6 MR
8 VBATT
VOUT 1

INPUT
MR : MANUAL RESET
PFI : POWER FAIL
VBATT : BACKUP BATTERY

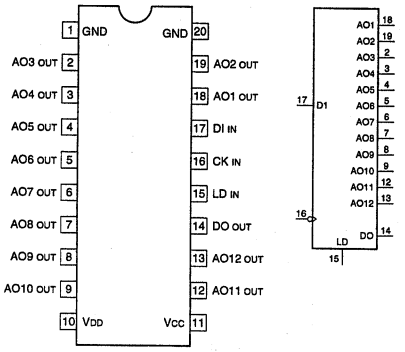
OUTPUT
PFO : POWER FAIL
RESET : RESET
VOUT : POWER SUPPLY TO CMOS RAM


VBATT 8
VCC 2
BATTERY SWITCHOVER CIRCUITRY
1 VOUT
BATTERY SWITCHOVER COMPARATOR
1.237 V
RESET COMPARATOR
1.237 V
MR 6
PFI 4
RESET GENERATOR
7 RESET
5 PFO
VPFT
POWER-FAIL COMPARATOR

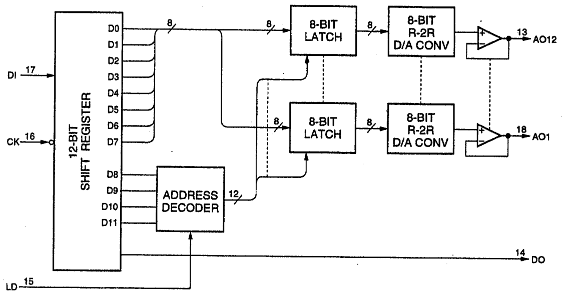
MB88346BPFV (FUJITSU)
MB88346BPFV-EF

C-MOS 8-BIT D/A CONVERTER

—TOP VIEW—


1 GND
AO3 OUT 2
AO4 OUT 3
AO5 OUT 4
AO6 OUT 5
AO7 OUT 6
AO8 OUT 7
AO9 OUT 8
AO10 OUT 9
10 VDD
GND 20
19 AO2 OUT
18 AO1 OUT
17 DI IN
16 CK IN
15 LD IN
14 DO OUT
13 AO12 OUT
12 AO11 OUT
VCC 11
17 DI
16
LD
15
AO1 18
AO2 19
AO3 2
AO4 3
AO5 4
AO6 5
AO7 6
AO8 7
AO9 8
AO10 9
AO11 12
AO12 13
DO 14

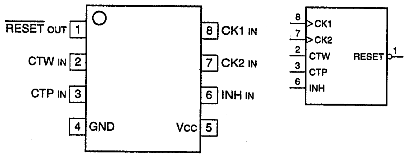
AO1 - AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT
LD : DATA LOAD CONTROL INPUT (H : LOAD)


DI 17
CK 16
12-BIT SHIFT REGISTER
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
8
8-BIT LATCH
8-BIT R-2R D/A CONV
13 AO12
18 AO1
ADDRESS DECODER
12
14 DO
LD 15

MB3793-42PNF (FUJITSU)
MB3793-42PNF-ER

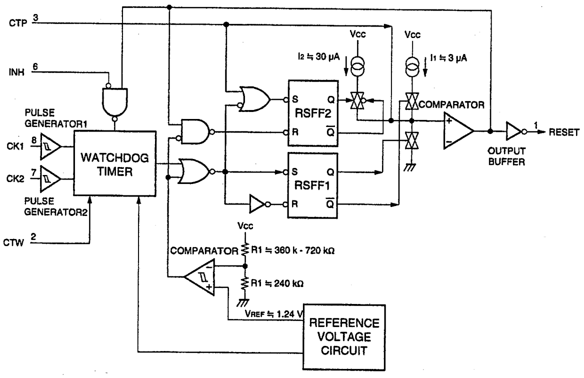
BIPOLA SOURCE VOL TAGE SUPERVISOR

—TOP VIEW—


RESET OUT 1
CTW IN 2
CTP IN 3
4 GND
8 CK1 IN
7 CK2 IN
6 INH IN
VCC 5
8 CK1
7 CK2
2 CTW
3 CTP
6 INH
RESET 1

INPUT
CK1 : CLOCK 1
CK2 : CLOCK 2
CTP : POWER ON RESET HOLD TIME PRESET
CTW : WATCHDOG TIMER SUPERVISION TIME PRESET
INH : INHIBIT

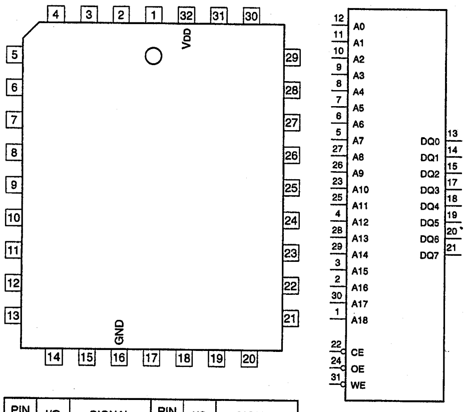
OUTPUT
RESET : RESET


CTP 3
INH 6
VCC
VCC
I2 ≒ 30 μA
I1 ≒ 3 μA
PULSE GENERATOR1
CK1 8
CK2 7
PULSE GENERATOR2
CTW 2
WATCHDOG TIMER
RSFF2
RSFF1
S Q
R Q
COMPARATOR
1 RESET
OUTPUT BUFFER
VCC
COMPARATOR
R1 ≒ 360 k - 720 kΩ
R1 ≒ 240 kΩ
VREF ≒ 1.24 V
REFERENCE VOLTAGE CIRCUIT

MBM29F040C-90PD (FUJITSU)

C-MOS 4 M (524,288 × 8)-BIT FLASH MEMORY

—TOP VIEW—


4 3 2 1 32 31 30
VDD
5 6 7 8 9 10 11 12 13
29 28 27 26 25 24 23 22 21
GND
14 15 16 17 18 19 20
12 A0
11 A1
10 A2
9 A3
8 A4
7 A5
6 A6
5 A7
27 A8
26 A9
23 A10
25 A11
4 A12
28 A13
29 A14
3 A15
2 A16
30 A17
1 A18
22 CE
24 OE
31 WE
DQ0 13
DQ1 14
DQ2 15
DQ3 17
DQ4 18
DQ5 19
DQ6 20
DQ7 21

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	A18	17	I/O	DQ3
2	I	A16	18	I/O	DQ4
3	I	A15	19	I/O	DQ5
4	I	A12	20	I/O	DQ6
5	I	A7	21	I/O	DQ7
6	I	A6	22	I	CE
7	I	A5	23	I	A10
8	I	A4	24	I	OE
9	I	A3	25	I	A11
10	I	A2	26	I	A9
11	I	A1	27	I	A8
12	I	A0	28	I	A13
13	I/O	DQ0	29	I	A14
14	I/O	DQ1	30	I	A17
15	I/O	DQ2	31	I	WE
16	—	GND	32	—	VDD

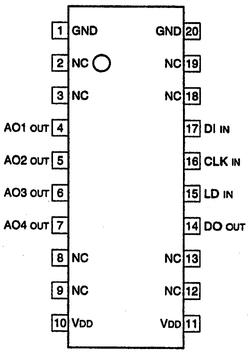
INPUT
A0 - A18 : ADDRESS INPUTS
CE : CHIP ENABLE
OE : OUTPUT ENABLE
WE : WRITE ENABLE

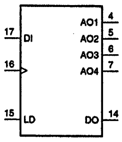
INPUT/OUTPUT
DQ0 - DQ7 : DATA INPUT/OUTPUT

MB88351PFV (FUJITSU)
MB88351PFV-ER

C-MOS 12-BIT D/A CONVERTER WITH OPERATIONAL AMPLIFIER

—TOP VIEW—


1 GND
2 NC
3 NC
AO1 OUT 4
AO2 OUT 5
AO3 OUT 6
AO4 OUT 7
8 NC
9 NC
10 VDD
GND 20
NC 19
NC 18
17 DI IN
16 CLK IN
15 LD IN
14 DO OUT
NC 13
NC 12
VDD 11

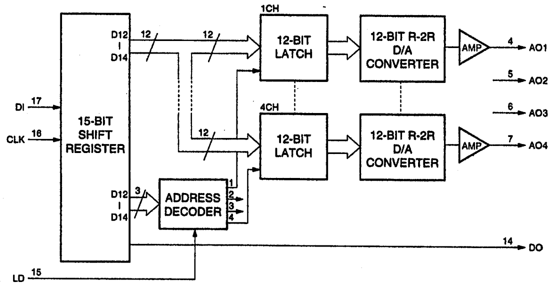

17 DI
16
15 LD
AO1 4
AO2 5
AO3 6
AO4 7
DO 14

INPUT
CLK : CHIFT CLOCK
DI : SERIAL DATA
LD : DECODER AND D/A REGISTER TO LOAD

OUTPUT
AO1 - AO4 : ANALOG DATA
DO : MBS BIT DATA IN 15-BIT SHIFT REGISTER

D12	D13	D14	ADDRESS SELECT
0	0	0	DON'T CARE
0	0	1	AO1 SELECT
0	1	0	AO2 SELECT
0	1	1	AO3 SELECT
1	0	0	AO4 SELECT
1	0	1	DON'T CARE
1	1	0	DON'T CARE
1	1	1	DON'T CARE

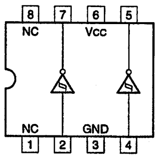
0 : LOW LEVEL
1 : HIGH LEVEL


DI 17
CLK 16
LD 15
15-BIT SHIFT REGISTER
D12 I D14
12
12
12
1CH
4CH
12-BIT LATCH
12-BIT LATCH
12-BIT R-2R D/A CONVERTER
12-BIT R-2R D/A CONVERTER
AMP
AMP
4 AO1
5 AO2
6 AO3
7 AO4
D12 I D14
3
ADDRESS DECODER
1
2
3
4
14 DO

MC34151DR2 (MOTOROLA)

HIGH SPEED MOS FET DRIVER

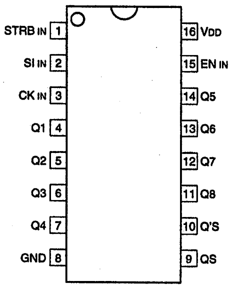
—TOP VIEW—

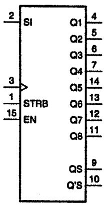

8
7
6
5
NC
Vcc
NC
GND
1
2
3
4

MC14094BF (MOTOROLA)
MC14094BFEL

C-MOS 8-STAGE SHIFT-AND-STORE BUS REGISTER

—TOP VIEW—


STRB IN 1
SI IN 2
CK IN 3
Q1 4
Q2 5
Q3 6
Q4 7
GND 8
16 VDD
15 EN IN
14 Q5
13 Q6
12 Q7
11 Q8
10 Q'S
9 QS


2 SI
3
1 STRB
15 EN
Q1 4
Q2 5
Q3 6
Q4 7
Q5 14
Q6 13
Q7 12
Q8 11
QS 9
Q'S 10

INPUTS
SI : SERIAL DATA
CK : CLOCK
STRB : STROBE
EN : OUTPUT ENABLE

OUTPUTS
Q1 - Q8 : PARALLEL DATA
QS, Q'S : SERIAL DATA

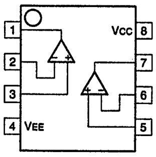
INPUTS				PARALLEL OUT		SERIAL OUT	
CK	EN	STRB	SI	Q1	Qn	QS	Q's
↑	0	×	×	HI-Z	HI-Z	Q7	NC
↓	0	×	×	HI-Z	HI-Z	NC	Q7
↑	1	0	×	NC	NC	Q7	NC
↑	1	1	0	0	Qn-1	Q7	NC
↑	1	1	1	1	Qn-1	Q7	NC
↓	1	1	1	NC	NC	NC	Q7

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE
NC : NO CHANGE

NJM082BM(TE2)
NJM082M (JRC)
NJM2041M-D (JRC)
NJM2041M-D(TE2)
NJM4562D-D (JRC)
NJM4565M-A (JRC)
NJM4565M-A(TE2)
TL062CPW (TI)
TL062CPW-E05
TL072CPS (TI)
TL072CPS-E05
TL082CPW-E05 (TI)

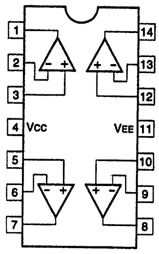
DUAL OPERATIONAL AMPLIFIERS (DUAL-SUPPLY TYPE)

—TOP VIEW—


1
2
3
4 VEE
Vcc 8
7
6
5

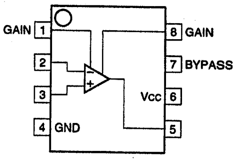
NJM3403AM (JRC)
NJM3403AM(TE2)

QUAD OPERATIONAL AMPLIFIER
—TOP VIEW—


1
2
3
4 Vcc
5
6
7
14
13
12
11 VEE
10
9
8

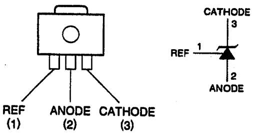
NJM386M(TE2) (JRC)

AUDIO POWER AMPLIFIER
—TOP VIEW—


GAIN 1
2
3
4 GND
8 GAIN
7 BYPASS
Vcc 6
5

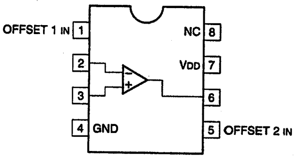
NJM431U (JRC)
NJM431U-TE1

ADJUSTABLE PRECISION SHUNT REGULATOR
—FRONT VIEW—


REF (1)
ANODE (2)
CATHODE (3)
CATHODE 3
REF 1
2 ANODE

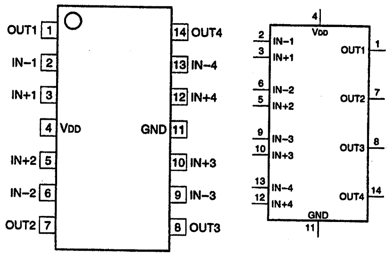
NJU7021V-TE2 (JRC)

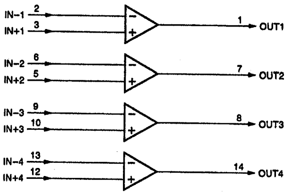
C-MOS OPERATION AMPLIFIER
—TOP VIEW—


OFFSET 1 IN 1
2
3
4 GND
NC 8
VDD 7
6
5 OFFSET 2 IN

NJU7024M (JRC)
NJU7024V-TE2
NJU7034V-TE2 (JRC)

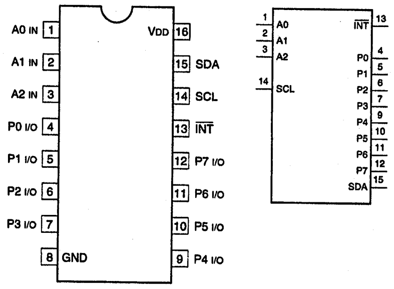
C-MOS 4-CIRCUIT OPERATION AMPLIFIER
—TOP VIEW—


OUT1 1
IN−1 2
IN+1 3
4 VDD
IN+2 5
IN−2 6
OUT2 7
14 OUT4
13 IN−4
12 IN+4
GND 11
10 IN+3
9 IN−3
8 OUT3
4 VDD
2 IN−1
3 IN+1
OUT1 1
6 IN−2
5 IN+2
OUT2 7
9 IN−3
10 IN+3
OUT3 8
13 IN−4
12 IN+4
OUT4 14
GND 11


IN−1 2
IN+1 3
1 OUT1
IN−2 6
IN+2 5
7 OUT2
IN−3 9
IN+3 10
8 OUT3
IN−4 13
IN+4 12
14 OUT4

PCF8574T-T (PHILIPS)

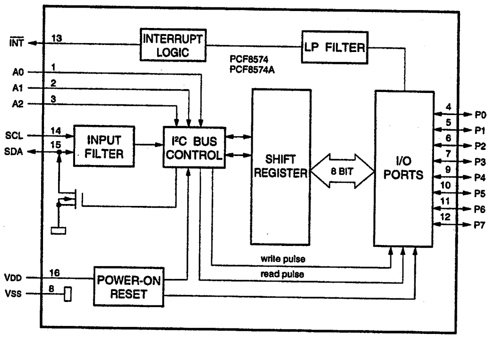
C-MOS REMOTE 8-BIT I/O EXPANDER
—TOP VIEW—


A0 IN 1
A1 IN 2
A2 IN 3
P0 I/O 4
P1 I/O 5
P2 I/O 6
P3 I/O 7
8 GND
VDD 16
15 SDA
14 SCL
13 INT
12 P7 I/O
11 P6 I/O
10 P5 I/O
9 P4 I/O
1 A0
2 A1
3 A2
14 SCL
INT 13
P0 4
P1 5
P2 6
P3 7
P4 9
P5 10
P6 11
P7 12
SDA 15

INPUT
A0 - A2 ; ADDRESS INPUTS
SCL ; SYSTEM CLOCK LINE

OUTPUT
INT ; INTERRUPT OUTPUT
SDA ; SERIAL DATA LINE

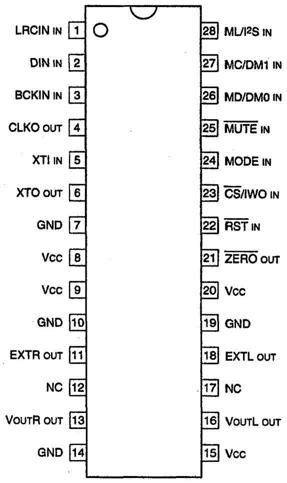
INPUT/OUTPUT
P0 - P7 ; 8-BITS QUASI-BIDIRECTIONAL I/O PORT


INT 13
A0 1
A1 2
A2 3
SCL 14
SDA 15
VDD 16
VSS 8
INTERRUPT LOGIC
PCF8574
PCF8574A
LP FILTER
INPUT FILTER
I²C BUS CONTROL
SHIFT REGISTER
8 BIT
I/O PORTS
write pulse
read pulse
POWER-ON RESET
4 P0
5 P1
6 P2
7 P3
9 P4
10 P5
11 P6
12 P7

PCM1716E-BT2 (BURR-BROWN)

24-BIT AUDIO DA CONVERTER

—TOP VIEW—


LRCIN IN 1
DIN IN 2
BCKIN IN 3
CLKO OUT 4
XTI IN 5
XTO OUT 6
GND 7
Vcc 8
Vcc 9
GND 10
EXTR OUT 11
NC 12
VoutR OUT 13
GND 14
28 ML/I²S IN
27 MC/DM1 IN
26 MD/DM0 IN
25 $\overline{\text{MUTE}}$ IN
24 MODE IN
23 $\overline{\text{CS}}$/IWO IN
22 $\overline{\text{RST}}$ IN
21 $\overline{\text{ZERO}}$ OUT
20 Vcc
19 GND
18 EXTL OUT
17 NC
16 VoutL OUT
15 Vcc

INPUTS

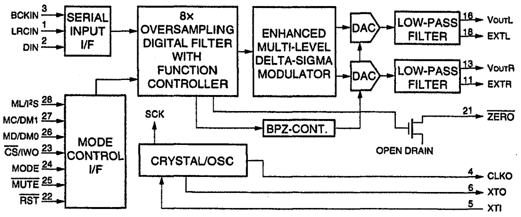
BCKIN : BIT CLOCK
$\overline{\text{CS}}$/IWO : CHIP SELECT/
INPUT FORMAT SELECTION
DIN : SERIAL AUDIO DATA
LRCIN : LEFT AND RIGHT CLOCK
MC/DM1 : MODE CONTROL, BCK/
DE-EMPHASIS SELECTION 2
MD/DM0 : MODE CONTROL, DATA/
DE-EMPHASIS SELECTION 1
ML/I²S : MODE CONTROL, WDCK/
INPUT FORMAT SELECTION
MODE : MODE CONTROL SELECT
$\overline{\text{MUTE}}$: MUTE CONTROL
$\overline{\text{RST}}$: RESET
XTI : OSCILLATOR

OUTPUTS

CLKO : SYSTEM CLOCK
EXTL : COMMON PIN OF
ANALOG OUTPUT AMPLIFIER
EXTR : COMMON PIN OF
ANALOG OUTPUT AMPLIFIER
VoutL : ANALOG VOLTAGE (L-CH)
VoutR : ANALOG VOLTAGE (R-CH)
XTO : OSCILLATOR
$\overline{\text{ZERO}}$: ZERO DATA FLAG

OTHER

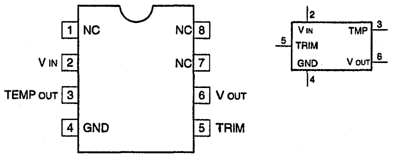
NC : NO CONNECTION


BCKIN 3
LRCIN 1
DIN 2
SERIAL INPUT I/F
8x OVERSAMPLING DIGITAL FILTER WITH FUNCTION CONTROLLER
ENHANCED MULTI-LEVEL DELTA-SIGMA MODULATOR
DAC
DAC
LOW-PASS FILTER
LOW-PASS FILTER
16 VoutL
18 EXTL
13 VoutR
11 EXTR
ML/I²S 28
MC/DM1 27
MD/DM0 26
$\overline{\text{CS}}$/IWO 23
MODE 24
$\overline{\text{MUTE}}$ 25
$\overline{\text{RST}}$ 22
MODE CONTROL I/F
SCK
BPZ-CONT.
21 $\overline{\text{ZERO}}$
OPEN DRAIN
CRYSTAL/OSC
4 CLKO
6 XTO
5 XTI

REF-03GSR (PMI)

REFERENCE/TEMPERATURE TRANSDUCER

—TOP VIEW—

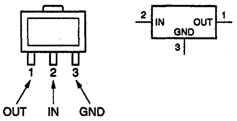

1 NC
V IN 2
TEMP OUT 3
4 GND
NC 8
NC 7
6 V OUT
5 TRIM
2
V IN
TMP
3
5
TRIM
GND
V OUT
6
4

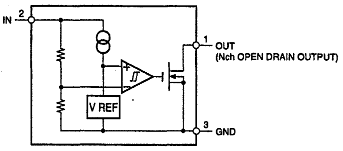
V IN ; INPUT VOLTAGE
TEMP OUT ; TEMPERATURE TRANSDUCER
VOLTAGE OUTPUT
TRIM IN ; OUTPUT SIGNAL RIMMING
V OUT ; OUTPUT VOLTAGE

RH5VL25AA-T1 (RICOH)
RH5VL40AA-T1 (RICOH)

VOLTAGE DETECTOR

—TOP VIEW—

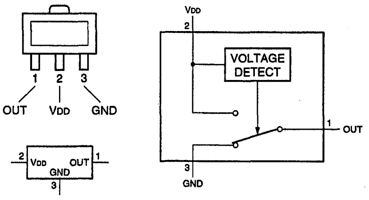

1 2 3
OUT IN GND
2 IN OUT 1
GND
3


IN 2
1 OUT
(Nch OPEN DRAIN OUTPUT)
V REF
3 GND

S-80740AN-D4-S (SEIKO I&E)
S-80740AN-D4-T1

C-MOS VOLTAGE DETECTOR

—TOP VIEW—

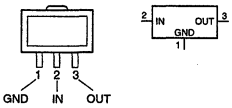

1 2 3
OUT VDD GND
2 VDD OUT 1
GND
3
VDD
2
VOLTAGE DETECT
1 OUT
3
GND

ITEM	VOLTAGE DETECT (V)	OUTPUT TYPE
S-8051ANB	1.00 - 1.10	Nch
S-8051ANR	1.10 - 1.20	OPEN DRAIN
S-8052ALQ	2.40 - 2.60	C-MOS
S-8052ALY	2.60 - 2.80	
S-8053ALB	2.80 - 3.10	
S-8053ALR	3.10 - 3.40	
S-8054ALB	4.00 - 4.30	
S-8054ALR	4.30 - 4.60	
S-8054HN	3.80 - 4.20	Nch
S-8054HNM	4.50 - 4.70	OPEN DRAIN

S-81230SGUP-DQB-T1 (SEIKO I&E)
S-81240SGUP-DQJ-T1 (SEIKO I&E)

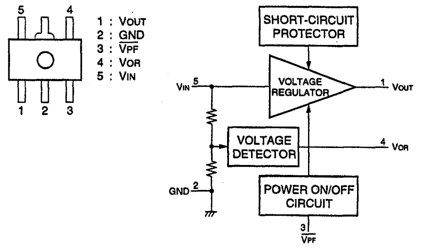
THREE TERMINAL POSITIVE VOLTAGE REGULATOR

—TOP VIEW—


1 2 3
GND IN OUT
2 IN OUT 3
GND
1

S-875045CUP-ACA-T2 (SEIKO I&E)

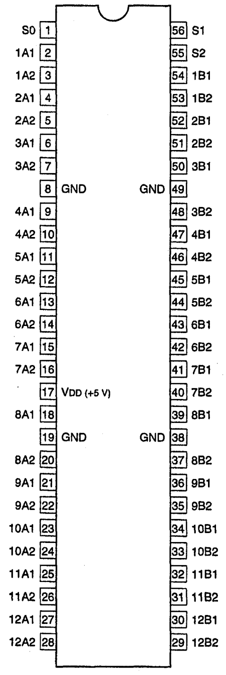
VOLTAGE REGULATOR WITH RESET
—TOP VIEW—

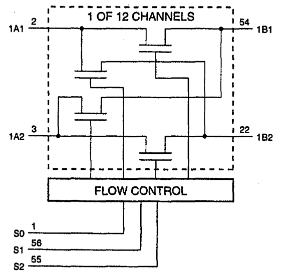

5
4
1
2
3
VIN 5
GND 2
SHORT-CIRCUIT PROTECTOR
VOLTAGE REGULATOR
1 VOUT
VOLTAGE DETECTOR
4 VOR
POWER ON/OFF CIRCUIT
3 VPF

1 : VOUT
2 : GND
3 : VPF
4 : VOR
5 : VIN

SN74CBT16212DGGR (TI)

C-MOS 24-BIT BUS-EXCHANGE SWITCH
—TOP VIEW—


S0 1 | 56 S1
1A1 2 | 55 S2
1A2 3 | 54 1B1
2A1 4 | 53 1B2
2A2 5 | 52 2B1
3A1 6 | 51 2B2
3A2 7 | 50 3B1
8 GND | GND 49
4A1 9 | 48 3B2
4A2 10 | 47 4B1
5A1 11 | 46 4B2
5A2 12 | 45 5B1
6A1 13 | 44 5B2
6A2 14 | 43 6B1
7A1 15 | 42 6B2
7A2 16 | 41 7B1
17 VDD (+5 V) | 40 7B2
8A1 18 | 39 8B1
19 GND | GND 38
8A2 20 | 37 8B2
9A1 21 | 36 9B1
9A2 22 | 35 9B2
10A1 23 | 34 10B1
10A2 24 | 33 10B2
11A1 25 | 32 11B1
11A2 26 | 31 11B2
12A1 27 | 30 12B1
12A2 28 | 29 12B2

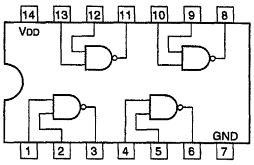

1 OF 12 CHANNELS
1A1 2
54 1B1
1A2 3
22 1B2
FLOW CONTROL
S0 1
S1 56
S2 55

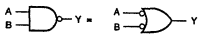
S2	S1	S0	A1	A2	FUNCTION
0	0	0	HI-Z	HI-Z	DISCONNECT (OPEN)
0	0	1	B1	HI-Z	A1=B1
0	1	0	B2	HI-Z	A1=B2
0	1	1	Z	B1	A2=B1
1	0	0	Z	B2	A2=B2
1	0	1	HI-Z	HI-Z	DISCONNECT (OPEN)
1	1	0	B1	B2	A1=B1, A2=B2
1	1	1	B2	B1	A1=B2, A2=B1

0 : LOW LEVEL
1 : HIGH LEVEL
HI-Z : HIGH IMPEDANCE

SN74HC00ANS (TI)
SN74HC00ANS-E05
TC74VHC00FT(EL) (TOSHIBA)
TC74VHCT00AFT(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT NAND GATES
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



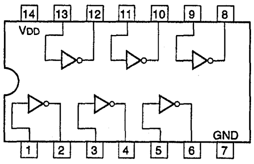
$Y = \overline{A \bullet B} = \overline{A} + \overline{B}$

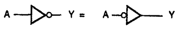
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74HC04APW-E05
SN74HC04APW-E20 (TI)
SN74HCT04APW-E05 (TI)
SN74LV04APWR (TI)
TC74VHC04FT(EL) (TOSHIBA)
TC74VHCT04AFT(EL) (TOSHIBA)
TC74VHCU04FT(EL) (TOSHIBA)

C-MOS HEX INVERTERS
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



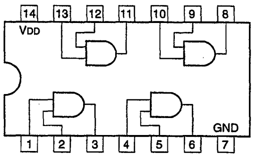
$Y = \overline{A}$

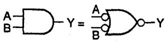
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

SN74HC08APW-E05 (TI)
TC74VHC08FT(EL) (TOSHIBA)
TC74VHCT08AFT(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT AND GATES
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



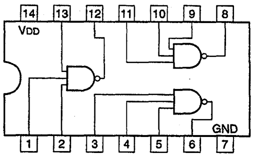
$Y = A \bullet B = \overline{\overline{A} + \overline{B}}$

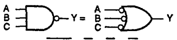
A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

SN74HC10APW-E05 (TI)
TC74VHC10FT(EL) (TOSHIBA)

C-MOS 3-INPUT NAND GATE
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



$Y = \overline{ABC} = \overline{A} + \overline{B} + \overline{C}$

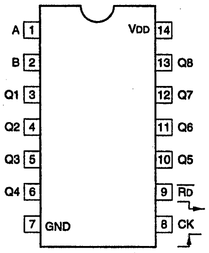
A	B	C	Y
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

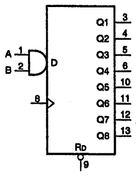
0 : LOW LEVEL
1 : HIGH LEVEL

SN74HC164APW-E05 (TI)
TC74VHC164FT(EL) (TOSHIBA)

C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER

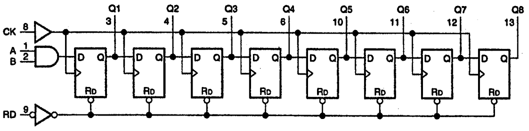
—TOP VIEW—


A 1
B 2
Q1 3
Q2 4
Q3 5
Q4 6
7 GND
VDD 14
13 Q8
12 Q7
11 Q6
10 Q5
9 RD
8 CK


A 1
B 2
D
8
Q1 3
Q2 4
Q3 5
Q4 6
Q5 10
Q6 11
Q7 12
Q8 13
RD
9

INPUTS				OUTPUTS			
RD	CK	A	B	Q1	Q2	---	Q8
0	x	x	x	0	0	0	0
1	0	x	x	Q1o	Q2o	---	Q8o
1	↑	1	1	1	Q1n	---	Q7n
1	↑	0	x	0	Q1n	---	Q7n
1	↑	x	0	0	Q1n	---	Q7n

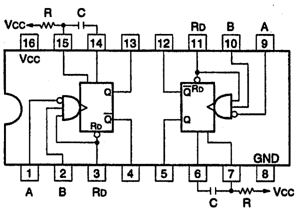
0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE


Q1
3
Q2
4
Q3
5
Q4
6
Q5
10
Q6
11
Q7
12
Q8
13
CK 8
A 1
B 2
D Q
RD
RD 9

SN74LS123NS (TI)
SN74LS123NS-E05

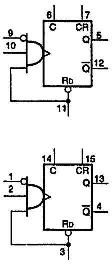
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET

—TOP VIEW—

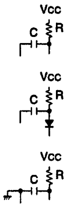

R C
Vcc
RD B A
16 15 14 13 12 11 10 9
Vcc
Q
Q
RD
GND
1 2 3 4 5 6 7 8
A B RD
C R
Vcc

INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	x	x	0	1
x	1	x	0	1
x	x	0	0	1
1	0	↑	⎍	⊔
1	↓	1	⎍	⊔
↑	0	1	⎍	⊔

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE


6 7
9
10
C CR
Q 5
Q 12
RD
11
14 15
1
2
C CR
Q 13
Q 4
RD
3

OUTPUT PULSE WIDTH


Vcc
C
R
Vcc
C
R
Vcc
C
R

'123 : $T_W = 0.28 (1+\frac{700}{R})$ CR
'L123 : $T_W = 0.33 (1+\frac{700}{R})$ CR

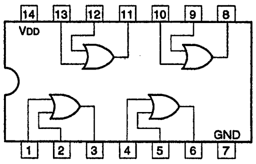
'123 : $T_W = 0.25 (1+\frac{700}{R})$ CR
'L123 : $T_W = 0.29 (1+\frac{700}{R})$ CR

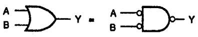
'LS123 : $T_W = 0.45$CR

SN74HC32APW-E05 (TI)
TC74VHC32FT(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT OR GATES

—TOP VIEW—


14 13 12 11 10 9 8
VDD
GND
1 2 3 4 5 6 7



$Y = A + B = \overline{\overline{A} \cdot \overline{B}}$

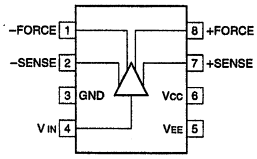
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

SSM-2142P (PMI)

BALANCED LINE DRIVER

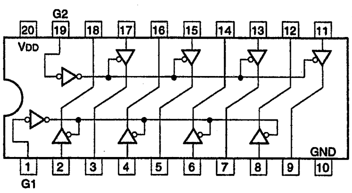
—TOP VIEW—

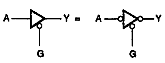

-FORCE 1
-SENSE 2
3 GND
VIN 4
8 +FORCE
7 +SENSE
Vcc 6
VEE 5

SN74HCT244APW-E05 (TI)
TC74VHC244FT(EL) (TOSHIBA)

C-MOS BUS BUFFER WITH 3-STATE OUTPUTS

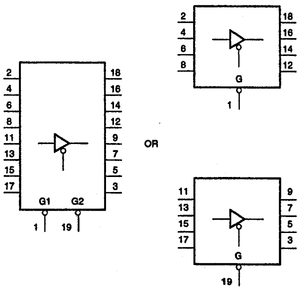
—TOP VIEW—


G2
20 19 18 17 16 15 14 13 12 11
VDD
GND
1 2 3 4 5 6 7 8 9 10
G1



G	A	Y
0	0	0
0	1	1
1	x	HI-Z

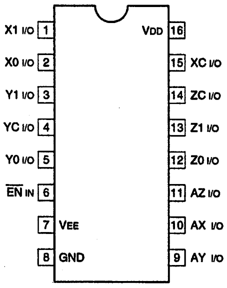
0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
HI-Z : HIGH IMPEDANCE

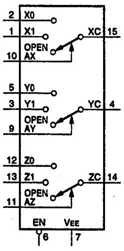

2
4
6
8
18
16
14
12
G
1
2
4
6
8
11
13
15
17
18
16
14
12
9
7
5
3
G1 G2
1 19
OR
11
13
15
17
9
7
5
3
G
19

TC4053BFT(EL,N) (TOSHIBA)

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS

—TOP VIEW—


X1 I/O 1
X0 I/O 2
Y1 I/O 3
YC I/O 4
Y0 I/O 5
EN IN 6
7 VEE
8 GND
VDD 16
15 XC I/O
14 ZC I/O
13 Z1 I/O
12 Z0 I/O
11 AZ I/O
10 AX I/O
9 AY I/O

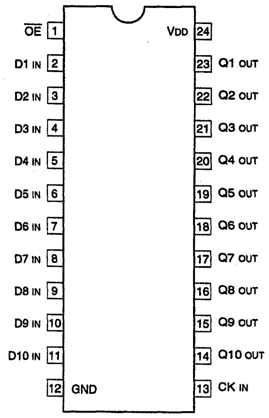

2 X0
1 X1
XC 15
10 OPEN AX
5 Y0
3 Y1
YC 4
9 OPEN AY
12 Z0
13 Z1
ZC 14
11 OPEN AZ
EN VEE
6 7

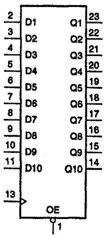
CONT. INPUTS		ON CHANNEL
EN	A (X, Y, Z)	
0	0	0
0	1	1
1	x	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

SN74LVC821APW-E05 (TI)

C-MOS 10-BIT BUS INTERFACE FLIP-FLOPS WITH 3-STATE OUTPUTS
—TOP VIEW—


OE 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
D8 IN 9
D9 IN 10
D10 IN 11
12 GND
VDD 24
23 Q1 OUT
22 Q2 OUT
21 Q3 OUT
20 Q4 OUT
19 Q5 OUT
18 Q6 OUT
17 Q7 OUT
16 Q8 OUT
15 Q9 OUT
14 Q10 OUT
13 CK IN

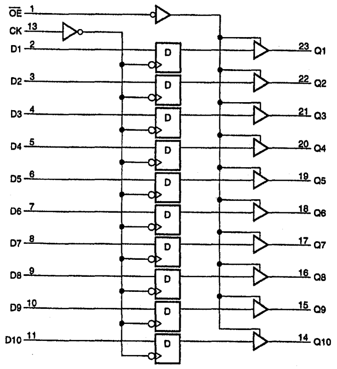

2 D1 Q1 23
3 D2 Q2 22
4 D3 Q3 21
5 D4 Q4 20
6 D5 Q5 19
7 D6 Q6 18
8 D7 Q7 17
9 D8 Q8 16
10 D9 Q9 15
11 D10 Q10 14
13
OE
1

FUNCTION TABLE (EACH FLIP-FLOP)

INPUTS			OUTPUTS
OE	CK	D	Q
0	↑	1	1
0	↑	0	0
0	0	×	Q0
1	×	×	HI-Z

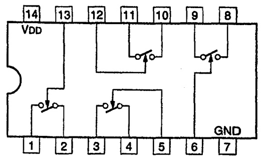
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

LOGIC DIAGRAM (POSITIVE LOGIC)


OE 1
CK 13
D1 2
D2 3
D3 4
D4 5
D5 6
D6 7
D7 8
D8 9
D9 10
D10 11
D
23 Q1
22 Q2
21 Q3
20 Q4
19 Q5
18 Q6
17 Q7
16 Q8
15 Q9
14 Q10

TC4066BFT(EL,N) (TOSHIBA)

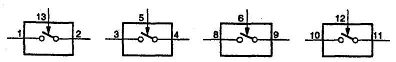
C-MOS QUAD BILATERAL ANALOG SWITCH
—TOP VIEW—


14 13 12 11 10 9 8
VDD
GND
1 2 3 4 5 6 7

IN/OUT
IN/OUT
CONTROL

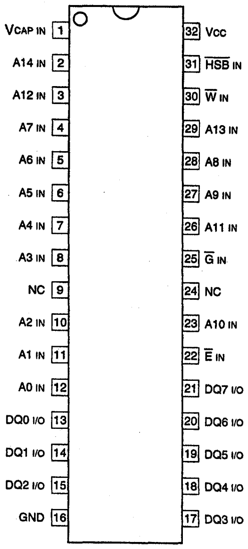
CONTROL	SWITCH
0	OFF
1	ON

0 : LOW LEVEL
1 : HIGH LEVEL


13
1 2
5
3 4
6
8 9
12
10 11

STK14C88-N45I (SIMTEK)

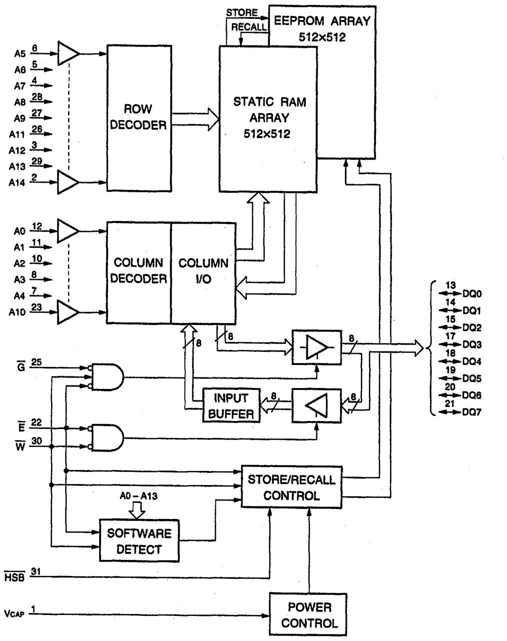
256K (32,768 × 8)-BIT NONVOLATILE SRAM
—TOP VIEW—


VCAP IN 1
A14 IN 2
A12 IN 3
A7 IN 4
A6 IN 5
A5 IN 6
A4 IN 7
A3 IN 8
NC 9
A2 IN 10
A1 IN 11
A0 IN 12
DQ0 I/O 13
DQ1 I/O 14
DQ2 I/O 15
GND 16
32 VCC
31 HSB IN
30 W IN
29 A13 IN
28 A8 IN
27 A9 IN
26 A11 IN
25 G IN
24 NC
23 A10 IN
22 E IN
21 DQ7 I/O
20 DQ6 I/O
19 DQ5 I/O
18 DQ4 I/O
17 DQ3 I/O

INPUTS
A0 - A14 : ADDRESS
E : CHIP ENABLE
G : OUTPUT ENABLE
HSB : HARDWARE STORE BUSY
W : WRITE ENABLE
VCAP : CAPACITOR

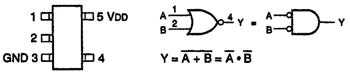
INPUTS/OUTPUTS
DQ0 - DQ7 : DATA

OTHER
NC : NO CONNECTION


STORE
RECALL
EEPROM ARRAY 512×512
STATIC RAM ARRAY 512×512
ROW DECODER
A5 6
A6 5
A7 4
A8 28
A9 27
A11 26
A12 3
A13 29
A14 2
A0 12
A1 11
A2 10
A3 8
A4 7
A10 23
COLUMN DECODER
COLUMN I/O
8
8
8
8
INPUT BUFFER
13 DQ0
14 DQ1
15 DQ2
17 DQ3
18 DQ4
19 DQ5
20 DQ6
21 DQ7
G 25
E 22
W 30
STORE/RECALL CONTROL
A0 - A13
SOFTWARE DETECT
HSB 31
VCAP 1
POWER CONTROL

TC4S01F (TOSHIBA)
TC4S01F(TE85R)
TC7S02FU(TE85R)
TC7S02FU-TE85L (TOSHIBA)
TC7SH02FU (TOSHIBA)
TC7SH02FU-TE85R

C-MOS 2-INPUT NOR GATE
—TOP VIEW—


1
2
GND 3
5 VDD
4
A
B
1
2
4
Y
=
A
B
Y

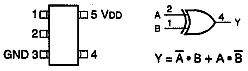
$Y = \overline{A+B} = \overline{A} \cdot \overline{B}$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC4S30F (TOSHIBA)
TC4S30F(TE85R)
TC7S86FU (TOSHIBA)
TC7S86FU(TE85R)
TC7SH86FU-TE85R (TOSHIBA)

C-MOS 2-INPUT EXCLUSIVE OR GATE
—TOP VIEW—


1
2
GND 3
5 VDD
4
A
B
2
1
4
Y

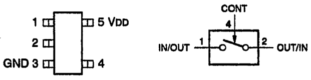
$Y = \overline{A} \cdot B + A \cdot \overline{B}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC4S66F (TOSHIBA)
TC4S66F(TE85R)
TC7S66FU (TOSHIBA)
TC7S66FU(TE85R)

C-MOS BILATERAL ANALOG SWITCH
—TOP VIEW—

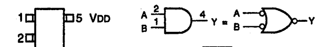

1
2
GND 3
5 VDD
4
CONT
4
IN/OUT
1
2
OUT/IN

CONT	SWITCH
0	OFF
1	ON

0 : LOW LEVEL
1 : HIGH LEVEL

TC4S81F(TE85R) (TOSHIBA)
TC7S08F (TOSHIBA)
TC7S08F(TE85R)
TC7S08FU(TE85R) (TOSHIBA)
TC7SET08F(TE85L) (TOSHIBA)
TC7SET08FU(TE85R) (TOSHIBA)
TC7SH08FU-TE85R (TOSHIBA)

C-MOS 2-INPUT AND GATE
—TOP VIEW—


1
2
GND 3
5 VDD
4
A
B
2
1
4
Y
=
A
B
Y

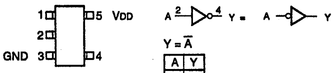
$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

TC4SU69F (TOSHIBA)
TC4SU69F(TE85R)
TC7S04FU(TE85R) (TOSHIBA)
TC7SH04FU (TOSHIBA)
TC7SH04FU-TE85R

C-MOS INVERTER
—TOP VIEW—


1
2
GND 3
5 VDD
4
A
2
4
Y
=
A
Y

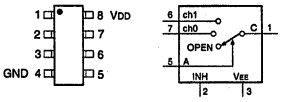
$Y = \overline{A}$

A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC4W53FU (TOSHIBA)
TC4W53FU(TE12R)

C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
—TOP VIEW—

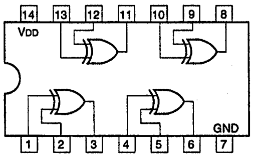

1
2
3
GND 4
8 VDD
7
6
5
6
ch1
7
ch0
C
1
OPEN
5
A
INH
VEE
2
3

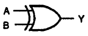
CONT. INPUT		ON CHANNEL
INH	A	
0	0	ch0
0	1	ch1
1	×	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74AC86F (TOSHIBA)
TC74VHC86FT(EL) (TOSHIBA)

C-MOS QUAD EXCLUSIVE OR GATES
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



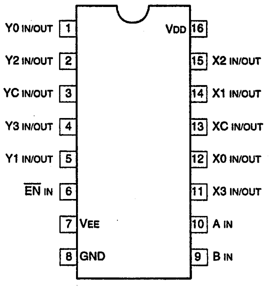
$Y = \overline{A} \cdot B + A \cdot \overline{B}$

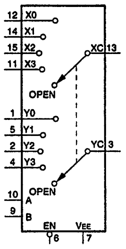
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC74HC4052AFT(EL) (TOSHIBA)

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
—TOP VIEW—


Y0 IN/OUT 1
Y2 IN/OUT 2
YC IN/OUT 3
Y3 IN/OUT 4
Y1 IN/OUT 5
EN IN 6
7 VEE
8 GND
VDD 16
15 X2 IN/OUT
14 X1 IN/OUT
13 XC IN/OUT
12 X0 IN/OUT
11 X3 IN/OUT
10 A IN
9 B IN

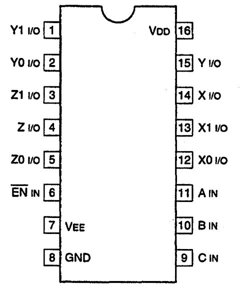

12 X0
14 X1
15 X2
11 X3
XC 13
OPEN
1 Y0
5 Y1
2 Y2
4 Y3
YC 3
OPEN
10 A
9 B
EN 6
VEE 7

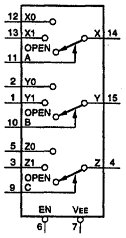
CONTROL INPUTS			"ON" CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	×	×	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74HC4053AFT(EL) (TOSHIBA)

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
—TOP VIEW—


Y1 I/O 1
Y0 I/O 2
Z1 I/O 3
Z I/O 4
Z0 I/O 5
EN IN 6
7 VEE
8 GND
VDD 16
15 Y I/O
14 X I/O
13 X1 I/O
12 X0 I/O
11 A IN
10 B IN
9 C IN

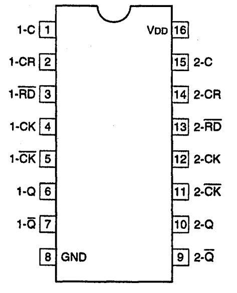

12 X0
13 X1
OPEN
11 A
X 14
2 Y0
1 Y1
OPEN
10 B
Y 15
5 Z0
3 Z1
OPEN
9 C
Z 4
EN
VEE
6
7

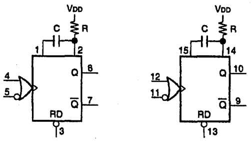
CONTROL INPUTS				ON CHANNEL		
EN	SELECT					
	C	B	A			
0	0	0	0	Z0	Y0	X0
0	0	0	1	Z0	Y0	X1
0	0	1	0	Z0	Y1	X0
0	0	1	1	Z0	Y1	X1
0	1	0	0	Z1	Y0	X0
0	1	0	1	Z1	Y0	X1
0	1	1	0	Z1	Y1	X0
0	1	1	1	Z1	Y1	X1
1	×	×	×	OPEN		

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

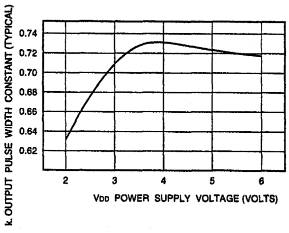
TC74HC4538AFT(EL) (TOSHIBA)

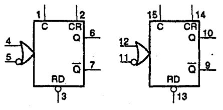
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
—TOP VIEW—


1-C 1
1-CR 2
1-RD 3
1-CK 4
1-CK 5
1-Q 6
1-Q 7
8 GND
VDD 16
15 2-C
14 2-CR
13 2-RD
12 2-CK
11 2-CK
10 2-Q
9 2-Q

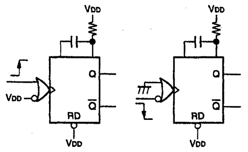

VDD
C
R
1
2
4
5
Q 6
Q 7
RD
3
VDD
C
R
15
14
12
11
Q 10
Q 9
RD
13

OUTPUT PULSE WIDTH = k • C • R

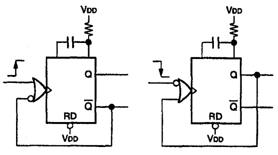



1
2
C
CR
Q 6
Q 7
4
5
RD
3
15
14
C
CR
Q 10
Q 9
12
11
RD
13

RETRIGGERABLE M. M. V

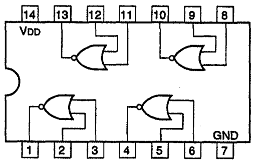

VDD
Q
Q
RD
VDD
VDD
VDD
Q
Q
RD
VDD

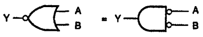
NON-RETRIGGERABLE M. M. V


VDD
Q
Q
RD
VDD
VDD
Q
Q
RD
VDD

TC74VHC02FT(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT NOR GATES
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



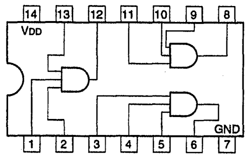
$Y = \overline{A+B} = \overline{A} \cdot \overline{B}$

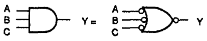
A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC74VHC11FT(EL) (TOSHIBA)

C-MOS 3-INPUT POSITIVE-AND GATE
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



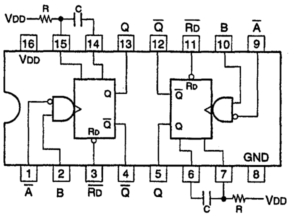
$Y = A \cdot B \cdot C = \overline{\overline{A}+\overline{B}+\overline{C}}$

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC74VHC123AFT(EL) (TOSHIBA)

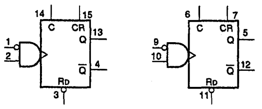
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS
—TOP VIEW—


VDD
R
C
Q
Q
RD
B
A
16
15
14
13
12
11
10
9
VDD
Q
RD
Q
Q
RD
Q
GND
1
2
3
4
5
6
7
8
A
B
RD
Q
Q
C
R
VDD

INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	×	×	0	1
1	1	×	0	1
1	×	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

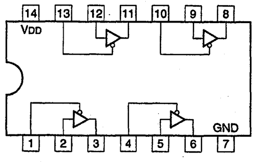
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

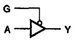
OUTPUT PULSE WIDTH = 0.46 CR


14
15
C
CR
Q 13
Q 4
1
2
RD
3
6
7
C
CR
Q 5
Q 12
9
10
RD
11

TC74VHC125FT(EL) (TOSHIBA)

C-MOS BUS BUFFER GATES WITH 3-STATE OUTPUT
—TOP VIEW—


14
13
12
11
10
9
8
VDD
GND
1
2
3
4
5
6
7



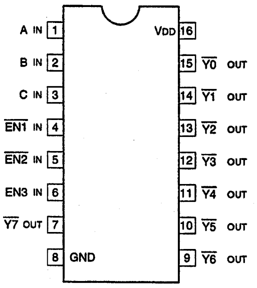
G	A	Y
0	0	0
0	1	1
1	×	HI-Z

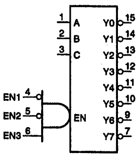
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

TC74VHC138FT(EL) (TOSHIBA)

C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER

—TOP VIEW—


A IN 1
B IN 2
C IN 3
$\overline{EN1}$ IN 4
$\overline{EN2}$ IN 5
EN3 IN 6
$\overline{Y7}$ OUT 7
8 GND
VDD 16
15 $\overline{Y0}$ OUT
14 $\overline{Y1}$ OUT
13 $\overline{Y2}$ OUT
12 $\overline{Y3}$ OUT
11 $\overline{Y4}$ OUT
10 $\overline{Y5}$ OUT
9 $\overline{Y6}$ OUT


1 A
2 B
3 C
EN1 4
EN2 5
EN3 6
EN
Y0 15
Y1 14
Y2 13
Y3 12
Y4 11
Y5 10
Y6 9
Y7 7

INPUTS				OUTPUTS							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	×	×	×	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

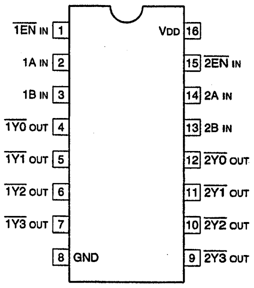
EN = $\overline{EN1} \cdot \overline{EN2} \cdot EN3$

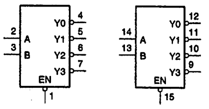
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74VHC139FT(EL) (TOSHIBA)

C-MOS DUAL 2-TO-4 DECODER/DEMULTIPLEXER

—TOP VIEW—


$\overline{1EN}$ IN 1
1A IN 2
1B IN 3
$\overline{1Y0}$ OUT 4
$\overline{1Y1}$ OUT 5
$\overline{1Y2}$ OUT 6
$\overline{1Y3}$ OUT 7
8 GND
VDD 16
15 $\overline{2EN}$ IN
14 2A IN
13 2B IN
12 $\overline{2Y0}$ OUT
11 $\overline{2Y1}$ OUT
10 $\overline{2Y2}$ OUT
9 $\overline{2Y3}$ OUT


2 A
3 B
Y0 4
Y1 5
Y2 6
Y3 7
EN
1
14 A
13 B
Y0 12
Y1 11
Y2 10
Y3 9
EN
15

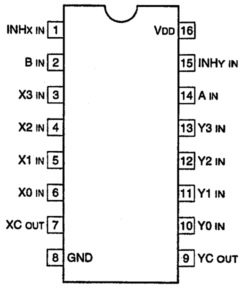
INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	×	×	1	1	1	1

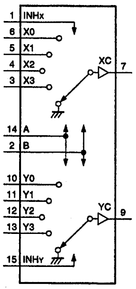
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74VHC153FT(EL) (TOSHIBA)

C-MOS DUAL 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER

—TOP VIEW—


INHx IN 1
B IN 2
X3 IN 3
X2 IN 4
X1 IN 5
X0 IN 6
XC OUT 7
8 GND
VDD 16
15 INHY IN
14 A IN
13 Y3 IN
12 Y2 IN
11 Y1 IN
10 Y0 IN
9 YC OUT


1 INHx
6 X0
5 X1
4 X2
3 X3
XC 7
14 A
2 B
10 Y0
11 Y1
12 Y2
13 Y3
YC 9
15 INHY

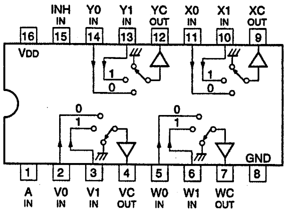
CONTROL IN			ON CHANNEL
INH	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	×	×	GND

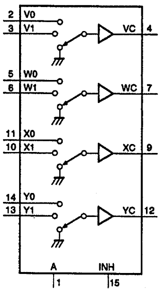
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74VHC157FT(EL) (TOSHIBA)

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER

—TOP VIEW—


INH IN 15
Y0 IN 14
Y1 IN 13
YC OUT 12
X0 IN 11
X1 IN 10
XC OUT 9
16 VDD
GND 8
A IN 1
V0 IN 2
V1 IN 3
VC OUT 4
W0 IN 5
W1 IN 6
WC OUT 7
1
0


2 V0
3 V1
VC 4
5 W0
6 W1
WC 7
11 X0
10 X1
XC 9
14 Y0
13 Y1
YC 12
A 1
INH 15

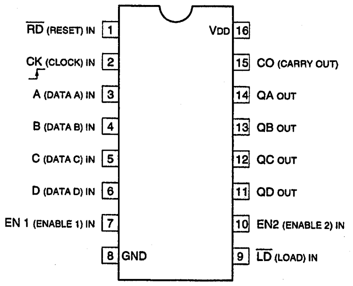
CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	×	GND

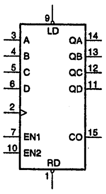
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74VHC161FT(EL) (TOSHIBA)

C-MOS SYNCHRONOUS PRESETTABLE 4-BIT BINARY COUNTER

—TOP VIEW—


$\overline{RD}$ (RESET) IN 1
CK (CLOCK) IN 2
A (DATA A) IN 3
B (DATA B) IN 4
C (DATA C) IN 5
D (DATA D) IN 6
EN 1 (ENABLE 1) IN 7
8 GND
VDD 16
15 CO (CARRY OUT)
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 (ENABLE 2) IN
9 $\overline{LD}$ (LOAD) IN

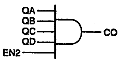

9 LD
3 A
4 B
5 C
6 D
2
7 EN1
10 EN2
RD 1
QA 14
QB 13
QC 12
QD 11
CO 15

MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	×	×	×	RESET (ASYNCHRONOUS)
1	0	×	×	PRESET (SYNCHRONOUS)
1	1	0	×	NO COUNT
1	1	×	0	NO COUNT
1	1	1	1	COUNT

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

CARRY OUTPUT "CO"


QA
QB
QC
QD
EN2
CO

CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

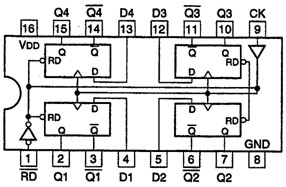
COUNT SEQUENCE

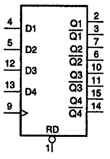
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

TC74VHC175FT(EL) (TOSHIBA)

C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET

—TOP VIEW—


Q4 15
$\overline{Q4}$ 14
D4 13
D3 12
$\overline{Q3}$ 11
Q3 10
CK 9
16 VDD
GND 8
$\overline{RD}$ 1
Q1 2
$\overline{Q1}$ 3
D1 4
D2 5
$\overline{Q2}$ 6
Q2 7
Q
$\overline{Q}$
D
RD

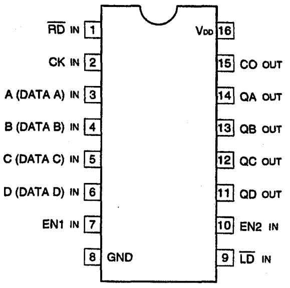

4 D1
5 D2
12 D3
13 D4
9
RD 1
Q1 2
$\overline{Q1}$ 3
Q2 7
$\overline{Q2}$ 6
Q3 10
$\overline{Q3}$ 11
Q4 15
$\overline{Q4}$ 14

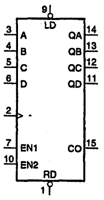
RD	CK	D	Q	$\overline{Q}$
0	×	×	0	1
1	↑	1	1	0
1	↑	0	0	1
1	0	×	Q_0	$\overline{Q}_0$

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
Q_0 : NO CHANGE
$\overline{Q}_0$: NO CHANGE

TC74VHC163FT(EL) (TOSHIBA)

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
—TOP VIEW—

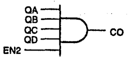

RD IN 1
CK IN 2
A (DATA A) IN 3
B (DATA B) IN 4
C (DATA C) IN 5
D (DATA D) IN 6
EN1 IN 7
8 GND
VDD 16
15 CO OUT
14 QA OUT
13 QB OUT
12 QC OUT
11 QD OUT
10 EN2 IN
9 LD IN


9
LD
3 A
4 B
5 C
6 D
QA 14
QB 13
QC 12
QD 11
2
7 EN1
10 EN2
CO 15
RD
1

MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	×	×	×	RESET (SYNCHRONOUS)
1	0	×	×	PRESET (SYNCHRONOUS)
1	1	0	×	NO COUNT
1	1	×	0	NO COUNT
1	1	1	1	COUNT

CARRY OUTPUT "CO"


QA
QB
QC
QD
EN2
CO

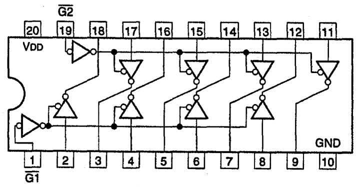
CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

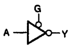
COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

TC74VHC240FT(EL) (TOSHIBA)

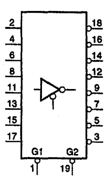
C-MOS 3-STATE INVERTER/LINE DRIVER
—TOP VIEW—


G2
20 19 18 17 16 15 14 13 12 11
VDD
GND
1 2 3 4 5 6 7 8 9 10
G1

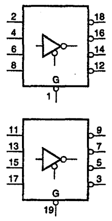


G	A	Y
0	0	1
0	1	0
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

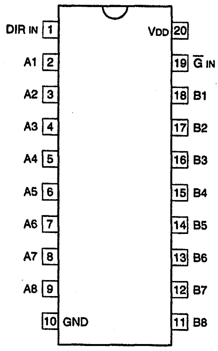

2 18
4 16
6 14
8 12
11 9
13 7
15 5
17 3
G1 G2
1 19

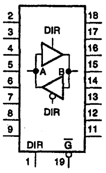
OR


2 18
4 16
6 14
8 12
G
1
11 9
13 7
15 5
17 3
G
19

TC74VHC245FT(EL) (TOSHIBA)

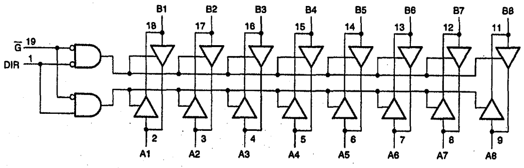
OCTAL BUS TRANSCEIVER WITH 3-STATE OUTPUTS
—TOP VIEW—


DIR IN 1
A1 2
A2 3
A3 4
A4 5
A5 6
A6 7
A7 8
A8 9
10 GND
VDD 20
19 G IN
18 B1
17 B2
16 B3
15 B4
14 B5
13 B6
12 B7
11 B8


2 18
3 17
4 16
5 15
6 14
7 13
8 12
9 11
DIR
A
B
DIR
DIR G
1 19

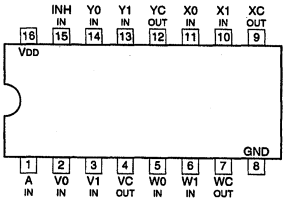
G	DIR	OPERATION
0	0	B to A
0	1	A to B
1	×	HI-Z

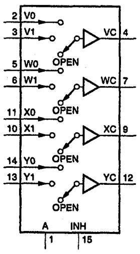
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE


B1 B2 B3 B4 B5 B6 B7 B8
18 17 16 15 14 13 12 11
G 19
DIR 1
2 3 4 5 6 7 8 9
A1 A2 A3 A4 A5 A6 A7 A8

TC74VHC257FT(EL) (TOSHIBA)

C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
—TOP VIEW—


INH IN
Y0 IN
Y1 IN
YC OUT
X0 IN
X1 IN
XC OUT
16 15 14 13 12 11 10 9
VDD
GND
1 2 3 4 5 6 7 8
A IN
V0 IN
V1 IN
VC OUT
W0 IN
W1 IN
WC OUT

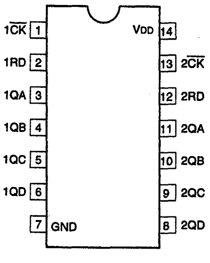

2 V0
3 V1
VC 4
5 W0
OPEN
6 W1
WC 7
11 X0
OPEN
10 X1
XC 9
14 Y0
OPEN
13 Y1
YC 12
OPEN
A INH
1 15

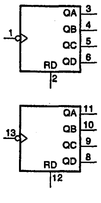
CONT. IN		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	×	OPEN

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74VHC393FT(EL) (TOSHIBA)

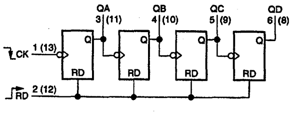
C-MOS DUAL 4-BIT BINARY COUNTER
—TOP VIEW—


1CK 1
1RD 2
1QA 3
1QB 4
1QC 5
1QD 6
7 GND
VDD 14
13 2CK
12 2RD
11 2QA
10 2QB
9 2QC
8 2QD


QA 3
QB 4
QC 5
QD 6
1
RD
2
QA 11
QB 10
QC 9
QD 8
13
RD
12

COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1


QA 3 (11)
QB 4 (10)
QC 5 (9)
QD 6 (8)
CK 1 (13)
Q
RD
RD 2 (12)

RESET/COUNT FUNCTION

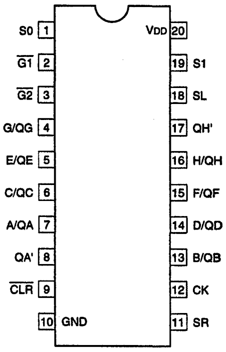
RD	QD	QC	QB	QA
1	0	0	0	0
0	COUNT			

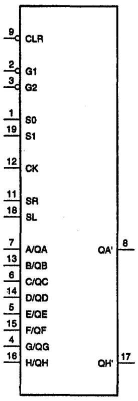
0 : LOW LEVEL
1 : HIGH LEVEL

TC74VHC299FT(EL) (TOSHIBA)

C-MOS 8-BIT PIPO SHIFT REGISTER WITH ASYNCHRONOUS CLEAR

—TOP VIEW—


S0 1
G1 2
G2 3
G/QG 4
E/QE 5
C/QC 6
A/QA 7
QA' 8
CLR 9
10 GND
VDD 20
19 S1
18 SL
17 QH'
16 H/QH
15 F/QF
14 D/QD
13 B/QB
12 CK
11 SR


9 CLR
2 G1
3 G2
1 S0
19 S1
12 CK
11 SR
18 SL
7 A/QA
13 B/QB
6 C/QC
14 D/QD
5 E/QE
15 F/QF
4 G/QG
16 H/QH
QA' 8
QH' 17

MODE	INPUTS								INPUTS/OUTPUTS								OUTPUTS	
			FUNCTION		OUTPUT CONTROL		SHIFT		A/ QA	B/ QB	C/ QC	D/ QD	E/ QE	F/ QF	G/ QG	H/ QH		
	CLR	CK	S1	S0	G1	G2	SL	SR									QA	QH
HI-Z	0	×	1	1	×	×	×	×	HI-Z								0	0
CLEAR	0 0	× ×	0 ×	× 0	0 0	0 0	× ×	× ×	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
HOLD	1	×	0	0	0	0	×	×	QAo	QBo	QCo	QDo	QEo	QFo	QGo	QHo	QAo	QHo
SHIFT RIGHT	1 1	↑ ↑	0 0	1 1	0 0	0 0	× ×	1 0	1 0	QAn QAn	QBn QBn	QCn QCn	QDn QDn	QEn QEn	QFn QFn	QGn QGn	1 0	QGn QGn
SHIFT LEFT	1 1	↑ ↑	1 1	0 0	0 0	0 0	1 0	× ×	QBn QBn	QCn QCn	QDn QDn	QEn QEn	QFn QFn	QGn QGn	QHn QHn	1 0	QBn QBn	1 0
LOAD	1	↑	1	1	×	×	×	×	a	b	c	d	e	f	g	h	a	h

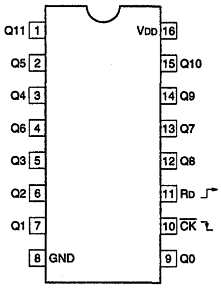
a---h = The level of the steady-state input at inputs A through H respectively.

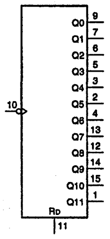
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

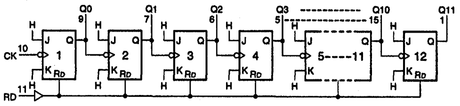
TC74VHC4040FT(EL) (TOSHIBA)

C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER

—TOP VIEW—


Q11 1
Q5 2
Q4 3
Q6 4
Q3 5
Q2 6
Q1 7
8 GND
VDD 16
15 Q10
14 Q9
13 Q7
12 Q8
11 RD
10 CK
9 Q0

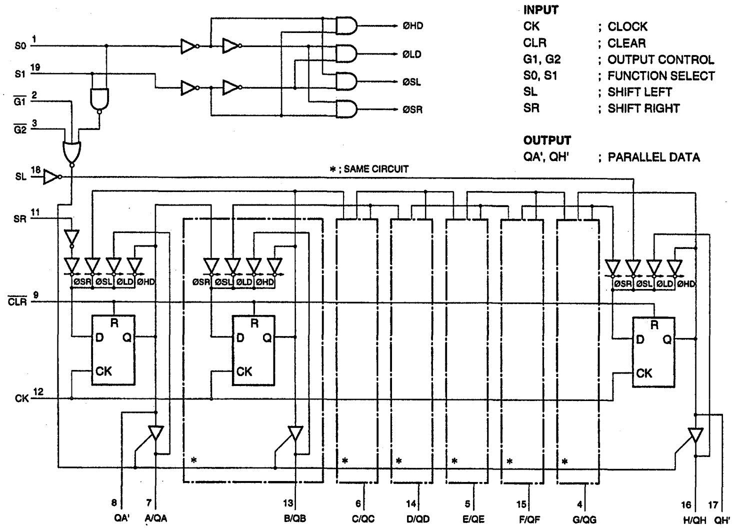

10
Q0 9
Q1 7
Q2 6
Q3 5
Q4 3
Q5 2
Q6 4
Q7 13
Q8 12
Q9 14
Q10 15
Q11 1
RD
11


Q0
Q1
Q2
Q3
Q10
Q11
9
7
6
5
15
1
H
J Q
K RD
1
2
3
4
5----11
12
CK 10
RD 11

COUNT	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	1	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
4095	1	1	1	1	1	1	1	1	1	1	1	1

RD	Q11--------Q0
1	ALL LOW
0	COUNT

0 : LOW LEVEL
1 : HIGH LEVEL


S0 1
S1 19
G1 2
G2 3
SL 18
SR 11
CLR 9
CK 12
ØHD
ØLD
ØSL
ØSR
* ; SAME CIRCUIT
ØSR ØSL ØLD ØHD
R
D Q
CK
*
8 QA'
7 A/QA
13 B/QB
6 C/QC
14 D/QD
5 E/QE
15 F/QF
4 G/QG
16 H/QH
17 QH'

INPUT/OUTPUT
A/QA - H/QH ; 8 BIT PARALLEL DATA

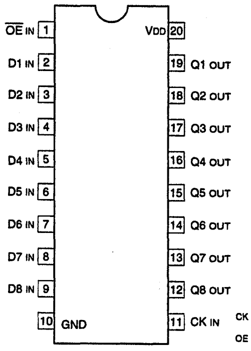
INPUT
CK ; CLOCK
CLR ; CLEAR
G1, G2 ; OUTPUT CONTROL
S0, S1 ; FUNCTION SELECT
SL ; SHIFT LEFT
SR ; SHIFT RIGHT

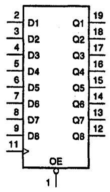
OUTPUT
QA', QH' ; PARALLEL DATA

TC74VHC573FT(EL) (TOSHIBA)

C-MOS 3-STATE OUTPUTS OCTAL LATCHES

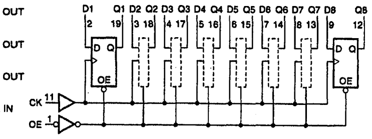
—TOP VIEW—


OE IN 1
D1 IN 2
D2 IN 3
D3 IN 4
D4 IN 5
D5 IN 6
D6 IN 7
D7 IN 8
D8 IN 9
10 GND
VDD 20
19 Q1 OUT
18 Q2 OUT
17 Q3 OUT
16 Q4 OUT
15 Q5 OUT
14 Q6 OUT
13 Q7 OUT
12 Q8 OUT
11 CK IN


D1
D2
D3
D4
D5
D6
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
OE

INPUT			OUT
OE	CK	D	Q
0	1	1	1
0	1	0	0
0	0	×	Qo
1	×	×	HI-Z

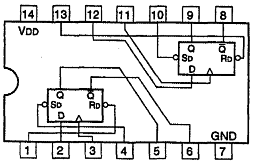
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE
Qo : NO CHANGE


D1
Q1
D2
Q2
D3
Q3
D4
Q4
D5
Q5
D6
Q6
D7
Q7
D8
Q8
CK
OE

TC74VHC74FT(EL) (TOSHIBA)

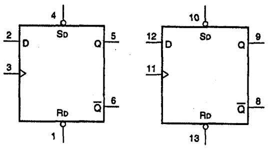
C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET

—TOP VIEW—


VDD
GND
Q
Q
SD
RD
D

INPUTS				OUTPUTS	
$\overline{SD}$	$\overline{RD}$	CK	D	Qn+1	$\overline{Qn+1}$
0	1	×	×	1	0
1	0	×	×	0	1
0	0	×	×	1	1
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	0	×	Qn	$\overline{Qn}$

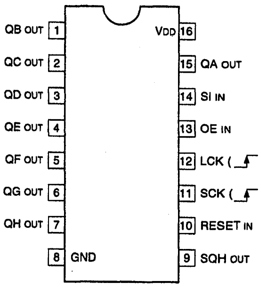
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

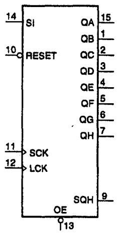


TC74VHC595FT(EL) (TOSHIBA)

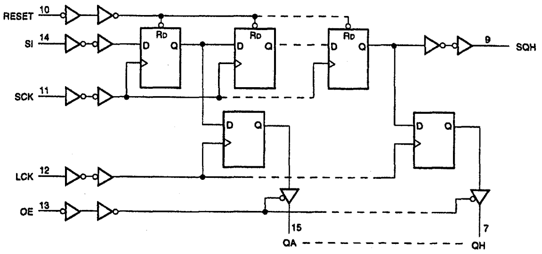
C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT

—TOP VIEW—


QB OUT 1
QC OUT 2
QD OUT 3
QE OUT 4
QF OUT 5
QG OUT 6
QH OUT 7
8 GND
VDD 16
15 QA OUT
14 SI IN
13 OE IN
12 LCK IN
11 SCK IN
10 RESET IN
9 SQH OUT


SI
RESET
SCK
LCK
QA
QB
QC
QD
QE
QF
QG
QH
SQH
OE

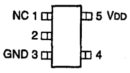
OE	:	OUTPUT ENABLE INPUT
LCK	:	LATCH CLOCK INPUT
SCK	:	SHIFT CLOCK INPUT
RESET	:	SHIFT-REGISTER RESET INPUT
SI	:	SERIAL N
QA - QH	:	PARALLEL OUTPUT
SQH	:	SERIAL OUT

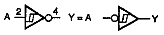

RESET
SI
SCK
LCK
OE
RD
D
Q
SQH
QA
QH

TC7S14F (TOSHIBA)
TC7S14F(TE85R)
TC7S14FU(TE85R) (TOSHIBA)

C-MOS SCHMITT INVERTER

—TOP VIEW—


NC 1
2
GND 3
5 VDD
4



Y = $\overline{A}$

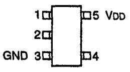
A	Y
0	1
1	0

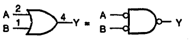
0 : LOW LEVEL
1 : HIGH LEVEL

TC7S32FU(TE85R) (TOSHIBA)
TC7SH32FU-TE85R (TOSHIBA)

C-MOS 2-INPUT OR GATE

—TOP VIEW—


1
2
GND 3
5 VDD
4



Y = A + B = $\overline{\overline{A} \cdot \overline{B}}$

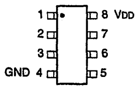
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

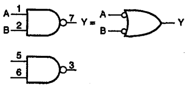
0 : LOW LEVEL
1 : HIGH LEVEL

TC7W00FU (TOSHIBA)
TC7W00FU(TE12R)

C-MOS DUAL 2-INPUT NAND GATE

—TOP VIEW—


1
2
3
GND 4
8 VDD
7
6
5



Y = $\overline{A \cdot B} = \overline{A} + \overline{B}$

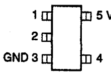
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

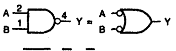
0 : LOW LEVEL
1 : HIGH LEVEL

TC7S00FU(TE85R) (TOSHIBA)
TC7SH00FU-TE85R (TOSHIBA)

C-MOS 2-INPUT NAND GATE

—TOP VIEW—


1
2
GND 3
5 VDD
4



Y = $\overline{A \cdot B} = \overline{A} + \overline{B}$

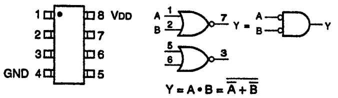
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC7W02F (TOSHIBA)
TC7W02FU(TE12R)

C-MOS DUAL 2-INPUT NOR GATE

—TOP VIEW—


1
2
3
GND 4
8 VDD
7
6
5
A
B
1
2
7
Y =
A
B
Y
5
6
3

$Y = A \bullet B = \overline{\overline{A} + \overline{B}}$

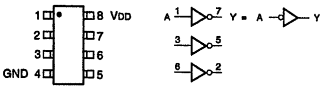
A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC7W04FU (TOSHIBA)
TC7W04FU(TE12R)
TC7WH04FU(TE12R) (TOSHIBA)
TC7WU04FU(TE12R) (TOSHIBA)

TRIPLE INVERTERS

—TOP VIEW—


1
2
3
GND 4
8 VDD
7
6
5
A
1
7
Y = A
Y
3
5
6
2

$Y = \overline{A}$

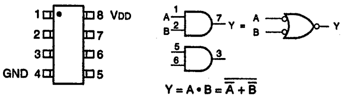
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC7W08FU (TOSHIBA)
TC7W08FU(TE12R)

C-MOS 2-INPUT AND GATE

—TOP VIEW—


1
2
3
GND 4
8 VDD
7
6
5
A
B
1
2
7
Y =
A
B
Y
5
6
3

$Y = A \bullet B = \overline{\overline{A} + \overline{B}}$

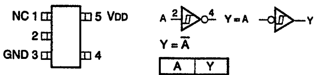
A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

TC7W14FU(TE12R) (TOSHIBA)

C-MOS SCHMITT INVERTER

—TOP VIEW—


NC 1
2
GND 3
5 VDD
4
A
2
4
Y = A
Y

$Y = \overline{A}$

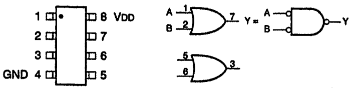
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC7W32FU (TOSHIBA)
TC7W32FU(TE12R)

C-MOS DUAL 2-INPUT OR GATE

—TOP VIEW—


1
2
3
GND 4
8 VDD
7
6
5
A
B
1
2
7
Y =
A
B
Y
5
6
3

$Y = A + B = \overline{\overline{A} \bullet \overline{B}}$

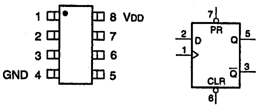
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

TC7W74FU (TOSHIBA)
TC7W74FU(TE12R)
TC7WH74FU(TR12R) (TOSHIBA)

C-MOS D-TYPE FLIP-FLOPS WITH PRESET AND CLEAR

—TOP VIEW—


1
2
3
GND 4
8 VDD
7
6
5
7
PR
2
D
1
Q
5
Q̄
3
CLR
6

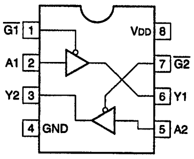
INPUTS				OUTPUTS		FUNCTION
$\overline{CLR}$	$\overline{PR}$	CK	D	Qn+1	$\overline{Qn+1}$	
0	1	X	X	0	1	CLEAR
1	0	X	X	1	0	PRESET
0	0	X	X	1	1	–
1	1	↑	0	0	1	–
1	1	↑	1	1	0	–
1	1	↓	X	Qn	$\overline{Qn}$	NO CHANGE

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

TC7WH125FU(TE12R) (TOSHIBA)

C-MOS DUAL BUS BUFFER

—TOP VIEW—


G1 1
A1 2
Y2 3
4 GND
VDD 8
7 G2
6 Y1
5 A2

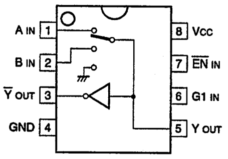
INPUTS		OUTPUT
G	A	Y
H	X	Z
L	L	L
L	H	H

X : DON'T CARE
Z : HI-IMPEDANCE

TC7WH157FU(TE12R) (TOSHIBA)

2-CHANNEL MULTIPLEXER

—TOP VIEW—

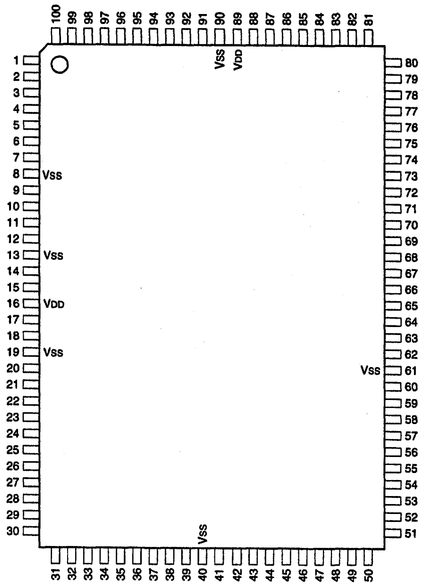

A IN 1
B IN 2
Ȳ OUT 3
GND 4
8 Vcc
7 EN IN
6 G1 IN
5 Y OUT

INPUTS				OUTPUTS	
$\overline{EN}$	G1	A	B	Y	$\overline{Y}$
1	x	x	x	0	1
0	0	0	x	0	1
0	0	1	x	1	0
0	1	x	0	0	1
0	1	x	1	1	0

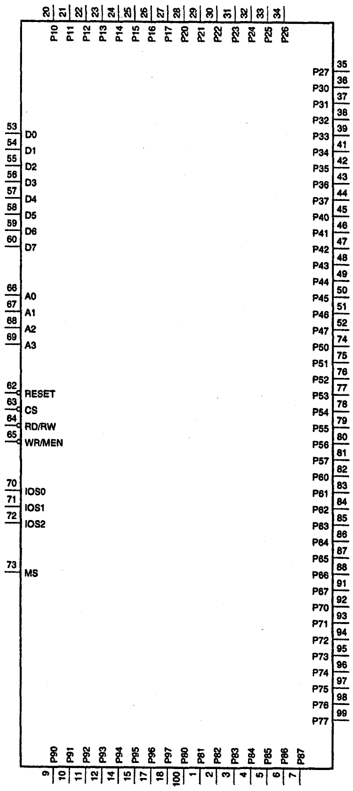
0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE

TE7751 (TKE)

C-MOS SUPER I/O EXPANDER (8-BIT × 9 CH)
—TOP VIEW—

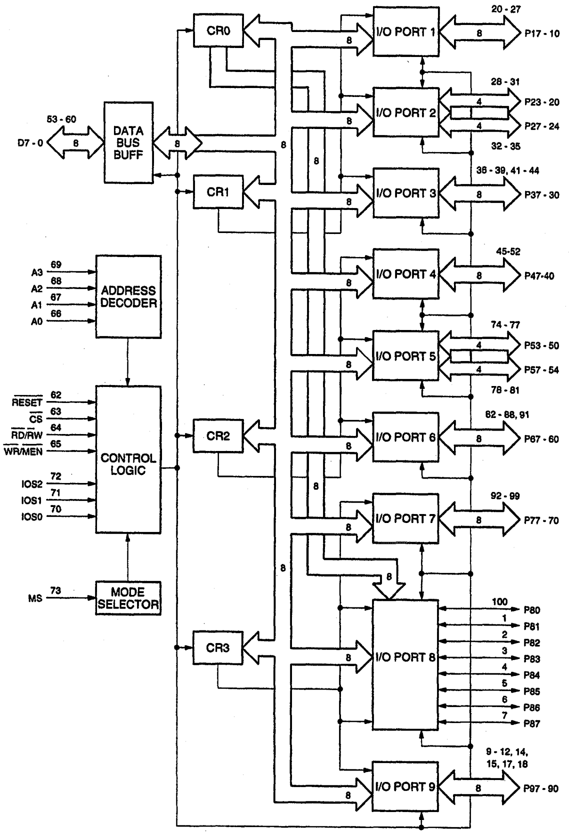

Vss
Vss
VDD
Vss
VDD
Vss
Vss
Vss

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	P81	26	I/O	P16	51	I/O	P46	76	I/O	P52
2	I/O	P82	27	I/O	P17	52	I/O	P47	77	I/O	P53
3	I/O	P83	28	I/O	P20	53	I/O	D0	78	I/O	P54
4	I/O	P84	29	I/O	P21	54	I/O	D1	79	I/O	P55
5	I/O	P85	30	I/O	P22	55	I/O	D2	80	I/O	P56
6	I/O	P86	31	I/O	P23	56	I/O	D3	81	I/O	P57
7	I/O	P87	32	I/O	P24	57	I/O	D4	82	I/O	P60
8	—	Vss	33	I/O	P25	58	I/O	D5	83	I/O	P61
9	I/O	P90	34	I/O	P26	59	I/O	D6	84	I/O	P62
10	I/O	P91	35	I/O	P27	60	I/O	D7	85	I/O	P63
11	I/O	P92	36	I/O	P30	61	—	Vss	86	I/O	P64
12	I/O	P93	37	I/O	P31	62	I	$\overline{\text{RESET}}$	87	I/O	P65
13	—	Vss	38	I/O	P32	63	I	$\overline{\text{CS}}$	88	I/O	P66
14	I/O	P94	39	I/O	P33	64	I	$\overline{\text{RD}}/\overline{\text{RW}}$	89	—	VDD
15	I/O	P95	40	—	Vss	65	I	$\overline{\text{WR}}/\overline{\text{MEN}}$	90	—	Vss
16	—	VDD	41	I/O	P34	66	I	A0	91	I/O	P67
17	I/O	P96	42	I/O	P35	67	I	A1	92	I/O	P70
18	I/O	P97	43	I/O	P36	68	I	A2	93	I/O	P71
19	—	Vss	44	I/O	P37	69	I	A3	94	I/O	P72
20	I/O	P10	45	I/O	P40	70	I	IOS0	95	I/O	P73
21	I/O	P11	46	I/O	P41	71	I	IOS1	96	I/O	P74
22	I/O	P12	47	I/O	P42	72	I	IOS2	97	I/O	P75
23	I/O	P13	48	I/O	P43	73	I	MS	98	I/O	P76
24	I/O	P14	49	I/O	P44	74	I/O	P50	99	I/O	P77
25	I/O	P15	50	I/O	P45	75	I/O	P51	100	I/O	P80


D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
RESET
CS
RD/RW
WR/MEN
IOS0
IOS1
IOS2
MS

INPUT
A0 - A3 ; ADDRESS INPUT
CS ; CHIP SELECT
IOS0 - 2 ; I/O SELECT
MS ; MODE SELECT
$\overline{\text{RD}}/\overline{\text{RW}}$; READ/WRITE
$\underline{\text{RESET}}$; RESET
$\overline{\text{WR}}/\overline{\text{MEN}}$; WRITE/MOTOROLA ENABLE

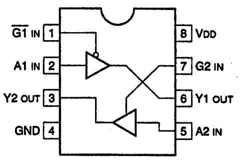
INPUT/OUTPUT
D0 - 7 ; DATA BUS
P10 - 17 ; I/O PORT 1
P20 - 27 ; I/O PORT 2
P30 - 37 ; I/O PORT 3
P40 - 47 ; I/O PORT 4
P50 - 57 ; I/O PORT 5
P60 - 67 ; I/O PORT 6
P70 - 77 ; I/O PORT 7
P80 - 87 ; I/O PORT 8
P90 - 97 ; I/O PORT 9


CR0
CR1
CR2
CR3
DATA BUS BUFF
ADDRESS DECODER
CONTROL LOGIC
MODE SELECTOR
I/O PORT 1
I/O PORT 2
I/O PORT 3
I/O PORT 4
I/O PORT 5
I/O PORT 6
I/O PORT 7
I/O PORT 8
I/O PORT 9
53 - 60
D7 - 0
A3 69
A2 68
A1 67
A0 66
RESET 62
CS 63
RD/RW 64
WR/MEN 65
IOS2 72
IOS1 71
IOS0 70
MS 73
20 - 27
P17 - 10
28 - 31
P23 - 20
P27 - 24
32 - 35
36 - 39, 41 - 44
P37 - 30
45-52
P47-40
74 - 77
P53 - 50
P57 - 54
78 - 81
82 - 88, 91
P67 - 60
92 - 99
P77 - 70
100
P80
P81
P82
P83
P84
P85
P86
P87
9 - 12, 14, 15, 17, 18
P97 - 90
8
4

TC7WH241FU(TE12R) (TOSHIBA)

DUAL BUS BUFFER

—TOP VIEW—


$\overline{G1}$ IN
A1 IN
Y2 OUT
GND
VDD
G2 IN
Y1 OUT
A2 IN
1
2
3
4
5
6
7
8

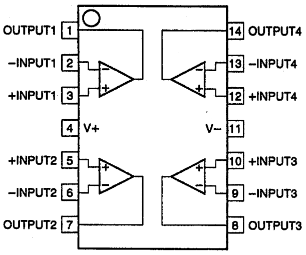
INPUT			OUTPUT
$\overline{G}$	G	A	Y
L	H	L	L
L	H	H	H
H	L	x	Z

x : DON'T CARE
Z : HI-IMPEDANCE

TL054CDB-E05 (TI)

DUAL OPERATIONAL AMPLIFLER

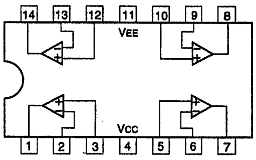
—TOP VIEW—


OUTPUT1 1
−INPUT1 2
+INPUT1 3
4 V+
+INPUT2 5
−INPUT2 6
OUTPUT2 7
14 OUTPUT4
13 −INPUT4
12 +INPUT4
V− 11
10 +INPUT3
9 −INPUT3
8 OUTPUT3

TL064CPW (TI)
TL064CPW-E05
TL084CPW-E05
TL084CPW-E20 (TI)

OPERATIONAL AMPLIFIER (J FET INPUT)

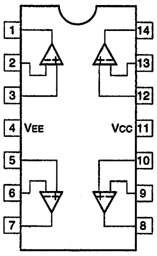
—TOP VIEW—


14
13
12
11
10
9
8
VEE
Vcc
1
2
3
4
5
6
7

TL074CPW (TI)
TL074CPW-E05

OPERATIONAL AMPLIFIER (LOW-NOISE, JFET-INPUT)

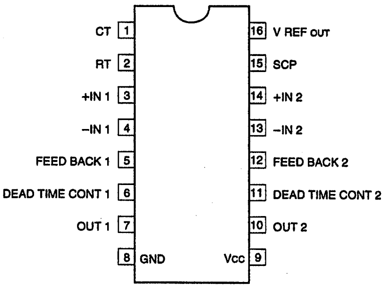
—TOP VIEW—

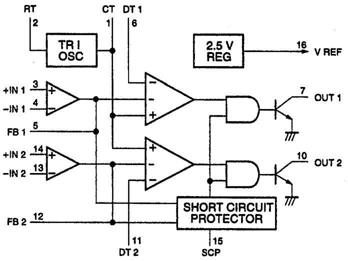

1
2
3
4 VEE
5
6
7
14
13
12
Vcc 11
10
9
8

TL1451ACPW-E05 (TI)

DUAL PWM POWER CONTROLLER

—TOP VIEW—

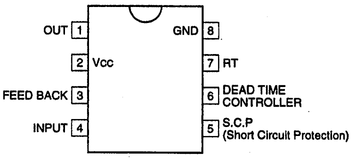

CT 1
RT 2
+IN 1 3
−IN 1 4
FEED BACK 1 5
DEAD TIME CONT 1 6
OUT 1 7
8 GND
16 V REF OUT
15 SCP
14 +IN 2
13 −IN 2
12 FEED BACK 2
11 DEAD TIME CONT 2
10 OUT 2
Vcc 9

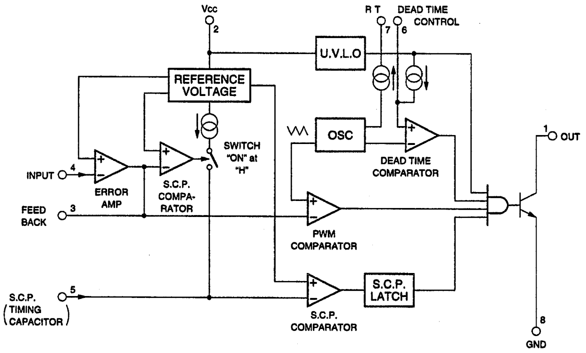

RT
2
CT
1
DT 1
6
TR I
OSC
2.5 V
REG
16
V REF
+IN 1
3
−IN 1
4
FB 1
5
+IN 2
14
−IN 2
13
FB 2
12
7
OUT 1
10
OUT 2
SHORT CIRCUIT PROTECTOR
11
DT 2
15
SCP

TL5001CD (TI)
TL5001CDR

SWITCHING REGULATOR CONTROLLER

—TOP VIEW—

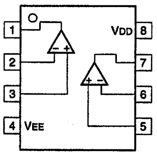

OUT 1
2 Vcc
FEED BACK 3
INPUT 4
GND 8
7 RT
6 DEAD TIME CONTROLLER
5 S.C.P (Short Circuit Protection)


Vcc
2
R T
7
DEAD TIME CONTROL
6
U.V.L.O
REFERENCE VOLTAGE
OSC
SWITCH "ON" at "H"
INPUT
4
ERROR AMP
S.C.P. COMPA-RATOR
FEED BACK
3
DEAD TIME COMPARATOR
PWM COMPARATOR
1
OUT
S.C.P.
(TIMING CAPACITOR)
5
S.C.P. COMPARATOR
S.C.P. LATCH
8
GND

TLC2272CPW-E05 (TI)

C-MOS DUAL OPERATIONAL AMPLIFIERS (DUAL-SUPPLY TYPE)

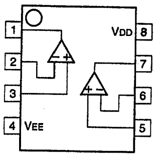
—TOP VIEW—


1
2
3
4 VEE
VDD 8
7
6
5

TYPE	VDD	VEE
ICL7621	+1 to +8 V	−1 to −8 V
TLC2262 TLC2272	+2.2 to +8 V	−2.2 to −8 V

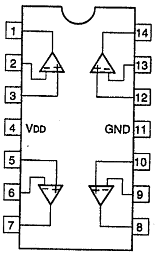
TLC272CPS (TI)
TLC272CPS-E05
TLC272CPW-E05 (TI)

C-MOS DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)
—TOP VIEW—


1
2
3
4
VEE
VDD
8
7
6
5

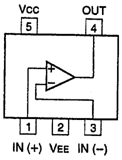
TLC274CPW (TI)
TLC274CPW-E05

C-MOS OPERATIONAL AMPLIFIER
—TOP VIEW—


1
2
3
4
VDD
5
6
7
14
13
12
GND
11
10
9
8

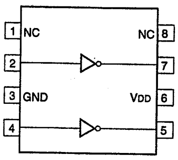
TLV2221CDBV (TI)

SINGLE OPERATIONAL AMPLIFIER
—TOP VIEW—


Vcc
OUT
5
4
1
2
3
IN (+)
VEE
IN (–)

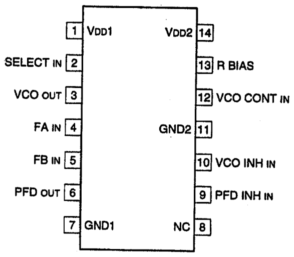
TSC426C0A (TELEDYNE)
TSC426C0A-T2

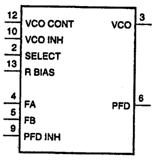
C-MOS HIGH SPEED DUAL DRIVER
—TOP VIEW—


1
NC
2
3
GND
4
NC
8
7
VDD
6
5

TLC2932IPW (TI)
TLC2932IPW-E05

C-MOS VCO AND PHASE FREQUENCY DETECTOR
—TOP VIEW—

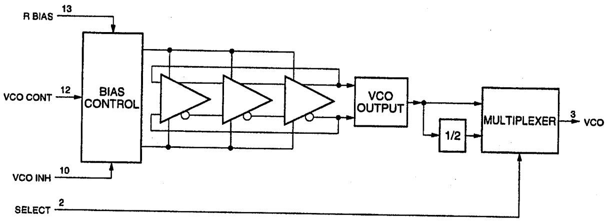

1
VDD1
SELECT IN
2
VCO OUT
3
FA IN
4
FB IN
5
PFD OUT
6
7
GND1
VDD2
14
13
R BIAS
12
VCO CONT IN
GND2
11
10
VCO INH IN
9
PFD INH IN
NC
8

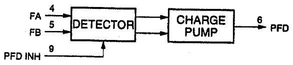

12
VCO CONT
10
VCO INH
2
SELECT
13
R BIAS
4
FA
5
FB
9
PFD INH
VCO
3
PFD
6

INPUT
FA : REFERENCE FREQUENCY
FB : INPUT FREQUENCY FROM OUTSIDE COUNTER
PFD INH : PFD INHIBIT
SELECT : VCO OUTPUT FREQUENCY SELECT
VCO CONT : VCO CONTROL VOLTAGE
VCO INH : VCO INHIBIT

OUTPUT
PFD : PHASE FREQUENCY DETECTOR
VCO : VOLTAGE CONTROLLED OSCILLATOR

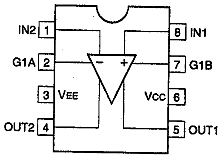
OTHER
R BIAS : BIAS RESISTOR FOR VCO OSCILLATION FREQUENCY SETTING


R BIAS
13
VCO CONT
12
BIAS CONTROL
VCO OUTPUT
1/2
MULTIPLEXER
3
VCO
VCO INH
10
SELECT
2


FA
4
FB
5
DETECTOR
CHARGE PUMP
6
PFD
PFD INH
9

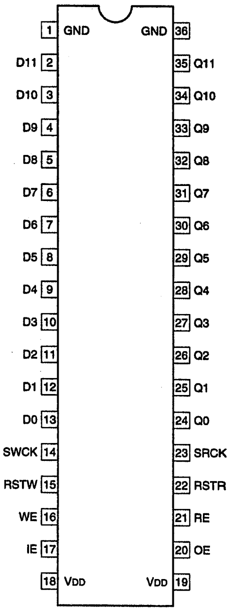
UPC1663G (NEC)
UPC1663G-E2

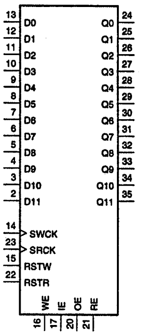
WIDEBAND VIDEO AMPLIFIER
—TOP VIEW—


IN2
1
G1A
2
3
VEE
OUT2
4
8
IN1
7
G1B
Vcc
6
5
OUT1

TMS4C2973-26DTR (TI)

C-MOS 2.9 M (245,760-WORD × 12) BITS FIELD MEMORY
—TOP VIEW—


1 GND
2 D11
3 D10
4 D9
5 D8
6 D7
7 D6
8 D5
9 D4
10 D3
11 D2
12 D1
13 D0
14 SWCK
15 RSTW
16 WE
17 IE
18 VDD
19 VDD
20 OE
21 RE
22 RSTR
23 SRCK
24 Q0
25 Q1
26 Q2
27 Q3
28 Q4
29 Q5
30 Q6
31 Q7
32 Q8
33 Q9
34 Q10
35 Q11
36 GND

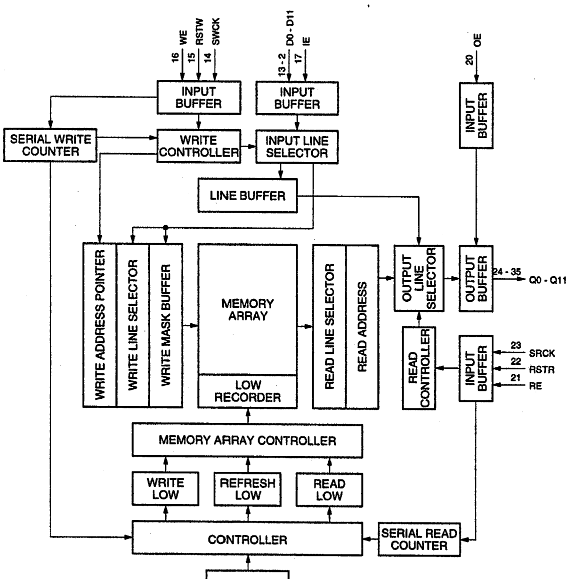

13 D0
12 D1
11 D2
10 D3
9 D4
8 D5
7 D6
6 D7
5 D8
4 D9
3 D10
2 D11
14 SWCK
23 SRCK
15 RSTW
22 RSTR
Q0 24
Q1 25
Q2 26
Q3 27
Q4 28
Q5 29
Q6 30
Q7 31
Q8 32
Q9 33
Q10 34
Q11 35
WE 16
IE 17
OE 20
RE 21

INPUT

D0 - D11 : DATA INPUTS
IE : INPUT ENABLE
OE : OUTPUT ENABLE
RE : READ ENABLE
RSTR : RESET READ
RSTW : RESET WRITE
SRCK : SERIAL READ CLOCK
SWCK : SERIAL WRITE CLOCK
WE : WRITE ENABLE

OUTPUT

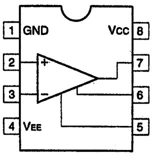
Q0 - Q11 : DATA OUTPUTS


16 WE
15 RSTW
14 SWCK
13 - 2 D0 - D11
17 IE
20 OE
INPUT BUFFER
INPUT BUFFER
INPUT BUFFER
SERIAL WRITE COUNTER
WRITE CONTROLLER
INPUT LINE SELECTOR
LINE BUFFER
WRITE ADDRESS POINTER
WRITE LINE SELECTOR
WRITE MASK BUFFER
MEMORY ARRAY
LOW RECORDER
READ LINE SELECTOR
READ ADDRESS
OUTPUT LINE SELECTOR
OUTPUT BUFFER
24 - 35 Q0 - Q11
READ CONTROLLER
INPUT BUFFER
23 SRCK
22 RSTR
21 RE
MEMORY ARRAY CONTROLLER
WRITE LOW
REFRESH LOW
READ LOW
CONTROLLER
SERIAL READ COUNTER
OSCILLATOR

NOTE :
TMS4C2972 AND TMS4C2973 ALLOW BLOCK RANDOM ACCESS.

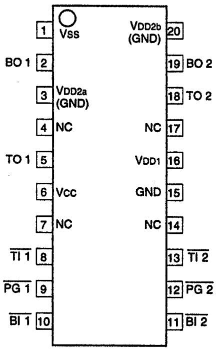
UPC311G2 (NEC)
UPC311G2-E2

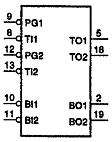
VOLTAGE COMPARATOR
—TOP VIEW—

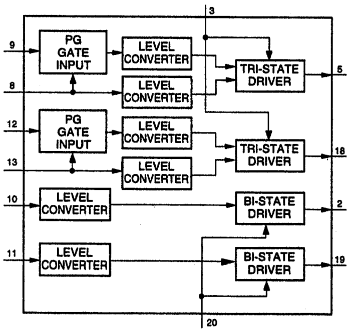

1 GND
2
3
4 VEE
Vcc 8
7
6
5
+
−

UPD16502GS(1) (NEC)
UPD16502GS(1)-E2

C-MOS CCD DRIVER
—TOP VIEW—

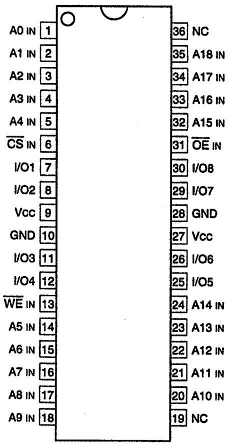

1 Vss
BO 1 2
3 VDD2a (GND)
4 NC
TO 1 5
6 Vcc
7 NC
TI 1 8
PG 1 9
BI 1 10
VDD2b (GND) 20
19 BO 2
18 TO 2
NC 17
VDD1 16
GND 15
NC 14
13 TI 2
12 PG 2
11 BI 2


9 PG1
8 TI1
12 PG2
13 TI2
10 BI1
11 BI2
TO1 5
TO2 18
BO1 2
BO2 19


3
9
8
12
13
10
11
20
PG GATE INPUT
LEVEL CONVERTER
LEVEL CONVERTER
TRI-STATE DRIVER
5
PG GATE INPUT
LEVEL CONVERTER
LEVEL CONVERTER
TRI-STATE DRIVER
18
LEVEL CONVERTER
BI-STATE DRIVER
2
LEVEL CONVERTER
BI-STATE DRIVER
19

UPD434008ALLE-A20 (NEC)

4M (524,288 × 8)-BIT SRAM
—TOP VIEW—


A0 IN 1
A1 IN 2
A2 IN 3
A3 IN 4
A4 IN 5
CS IN 6
I/O1 7
I/O2 8
Vcc 9
GND 10
I/O3 11
I/O4 12
WE IN 13
A5 IN 14
A6 IN 15
A7 IN 16
A8 IN 17
A9 IN 18
36 NC
35 A18 IN
34 A17 IN
33 A16 IN
32 A15 IN
31 OE IN
30 I/O8
29 I/O7
28 GND
27 Vcc
26 I/O6
25 I/O5
24 A14 IN
23 A13 IN
22 A12 IN
21 A11 IN
20 A10 IN
19 NC

INPUTS

A0 - A18 : ADDRESS
$\overline{\text{CS}}$: CHIP SELECT
$\overline{\text{OE}}$: OUTPUT ENABLE
$\overline{\text{WE}}$: WRITE ENABLE

INPUTS/OUTPUTS

I/O1 - I/O8 : DATA

OTHER

NC : NO CONNECTION

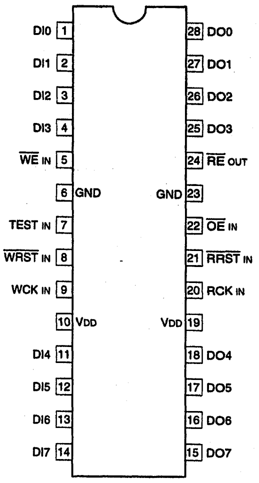
OPERATION MODE

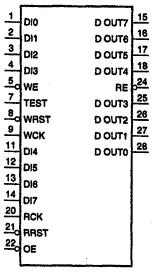
$\overline{\text{CS}}$	$\overline{\text{OE}}$	$\overline{\text{WE}}$	MODE	I/O1 - I/O8
1	x	x	UNSELECT	HI-Z
0	1	1	OUTPUT DISABLE	HI-Z
0	0	1	READ	DATA OUT
0	x	0	WRITE	DATA IN

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE
HI-Z : HIGH IMPEDANCE

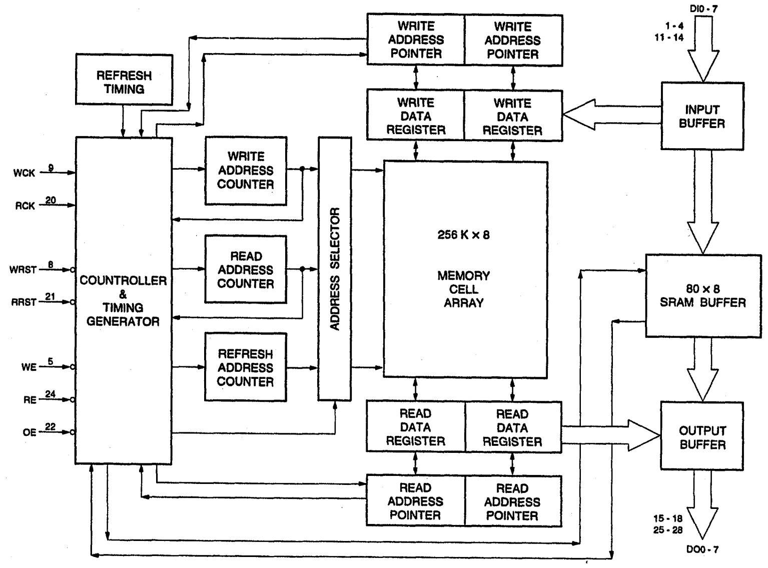
UPD42280GU-30 (NEC)

C-MOS 2 M (256 × 8)-BIT FIELD BUFFER
—TOP VIEW—


DI0 1
DI1 2
DI2 3
DI3 4
$\overline{WE}$ IN 5
6 GND
TEST IN 7
$\overline{WRST}$ IN 8
WCK IN 9
10 VDD
DI4 11
DI5 12
DI6 13
DI7 14
28 DO0
27 DO1
26 DO2
25 DO3
24 $\overline{RE}$ OUT
GND 23
22 $\overline{OE}$ IN
21 $\overline{RRST}$ IN
20 RCK IN
VDD 19
18 DO4
17 DO5
16 DO6
15 DO7

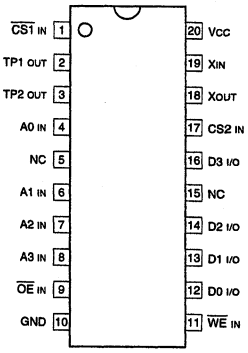

1 DI0
2 DI1
3 DI2
4 DI3
5 WE
7 TEST
8 WRST
9 WCK
11 DI4
12 DI5
13 DI6
14 DI7
20 RCK
21 RRST
22 OE
D OUT7 15
D OUT6 16
D OUT5 17
D OUT4 18
RE 24
D OUT3 25
D OUT2 26
D OUT1 27
D OUT0 28

DI0 - 7 : DATA INPUTS
DO0 - 7 : DATA OUTPUTS
$\overline{OE}$: OUTPUT ENABLE INPUT
RCK : READ CLOCK INPUT
$\overline{RE}$: READ ENABLE OUTPUT
$\overline{RRST}$: READ RESET INPUT
TEST : TEST INPUT
WCK : WRITE CLOCK INPUT
$\overline{WE}$: WRITE ENABLE INPUT
$\overline{WRST}$: WRITE RESET INPUT


REFRESH TIMING
WRITE ADDRESS POINTER
WRITE ADDRESS POINTER
WRITE DATA REGISTER
WRITE DATA REGISTER
DI0 - 7
1 - 4
11 - 14
INPUT BUFFER
WCK 9
RCK 20
WRST 8
RRST 21
WE 5
RE 24
OE 22
COUNTROLLER & TIMING GENERATOR
WRITE ADDRESS COUNTER
READ ADDRESS COUNTER
REFRESH ADDRESS COUNTER
ADDRESS SELECTOR
256 K × 8
MEMORY CELL ARRAY
80 × 8 SRAM BUFFER
READ DATA REGISTER
READ DATA REGISTER
OUTPUT BUFFER
READ ADDRESS POINTER
READ ADDRESS POINTER
15 - 18
25 - 28
DO0 - 7

UPD4991AGS (NEC)
UPD4991AGS-E2

4-BIT PARALLEL I/O FOR CALENDAR/CLOCK
—TOP VIEW—

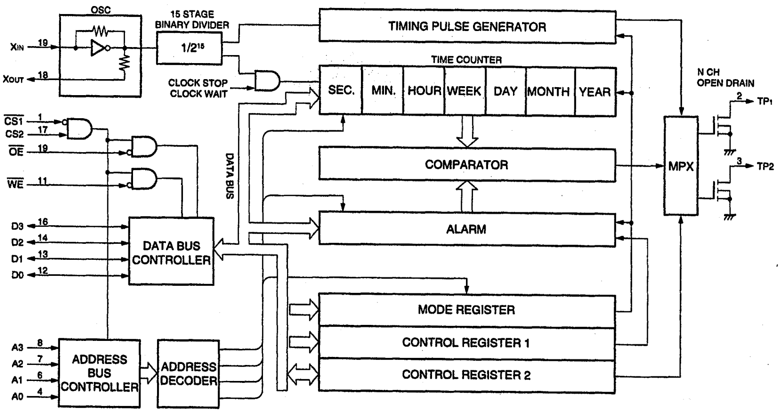

$\overline{CS1}$ IN 1
TP1 OUT 2
TP2 OUT 3
A0 IN 4
NC 5
A1 IN 6
A2 IN 7
A3 IN 8
$\overline{OE}$ IN 9
GND 10
20 VCC
19 XIN
18 XOUT
17 CS2 IN
16 D3 I/O
15 NC
14 D2 I/O
13 D1 I/O
12 D0 I/O
11 $\overline{WE}$ IN

INPUTS
A0 - A3 : ADDRESS
$\overline{CS1}$, CS2 : CHIP SELECT
$\overline{OE}$: READ ENABLE
$\overline{WE}$: WRITE ENABLE
XIN : CRYSTAL SIGNAL

OUTPUTS
TP1, TP2 : TIMING PULSE

INPUTS/OUTPUTS
D0 - D3 : DATA
XOUT : CRYSTAL SIGNAL

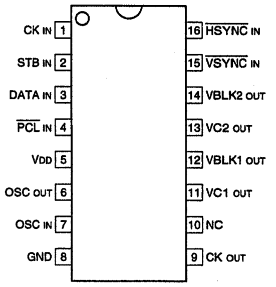
OTHER
NC : NO CONNECTION

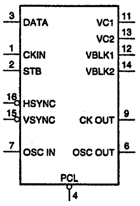

OSC
XIN 19
XOUT 18
15 STAGE BINARY DIVIDER
1/2¹⁵
TIMING PULSE GENERATOR
TIME COUNTER
CLOCK STOP
CLOCK WAIT
SEC.
MIN.
HOUR
WEEK
DAY
MONTH
YEAR
N CH OPEN DRAIN
2 TP1
3 TP2
MPX
$\overline{CS1}$ 1
CS2 17
$\overline{OE}$ 19
$\overline{WE}$ 11
DATA BUS
COMPARATOR
ALARM
D3 16
D2 14
D1 13
D0 12
DATA BUS CONTROLLER
MODE REGISTER
CONTROL REGISTER 1
CONTROL REGISTER 2
A3 8
A2 7
A1 6
A0 4
ADDRESS BUS CONTROLLER
ADDRESS DECODER

UPD6456GS-620-E2 (NEC)

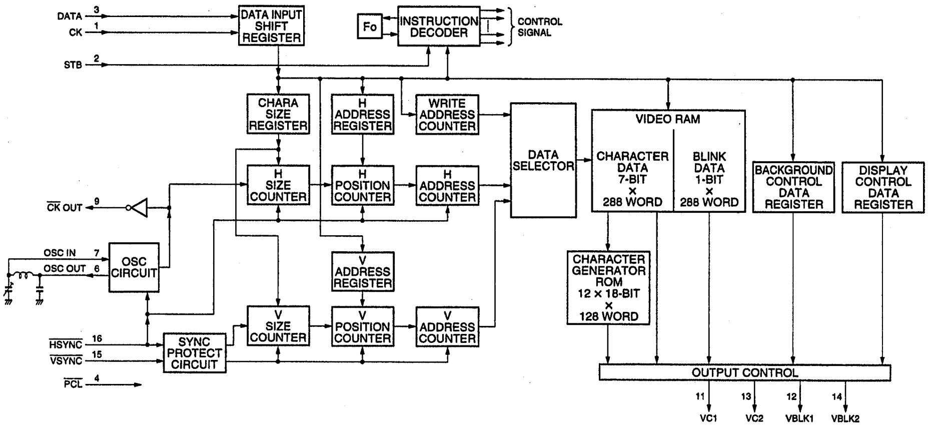
C-MOS ON SCREEN CHARACTER DISPLAY

—TOP VIEW—


CK IN 1
STB IN 2
DATA IN 3
PCL IN 4
VDD 5
OSC OUT 6
OSC IN 7
GND 8
16 HSYNC IN
15 VSYNC IN
14 VBLK2 OUT
13 VC2 OUT
12 VBLK1 OUT
11 VC1 OUT
10 NC
9 CK OUT


3 DATA
1 CKIN
2 STB
16 HSYNC
15 VSYNC
7 OSC IN
VC1 11
VC2 13
VBLK1 12
VBLK2 14
CK OUT 9
OSC OUT 6
PCL 4

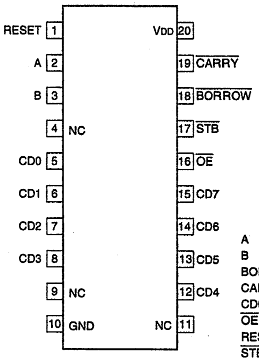
INPUT	
CK IN	; CLOCK FOR DATA READ
DATA	; SERIAL DATA
HSYNC	; HORIZONTAL SYNC
OSC IN	; OSCILLATOR FOR DOT CLOCK GENERATOR
PCL	; POWER ON CLEAR
STB	; STROBE
VSYNC	; VERTICAL SYNC
OUTPUT	
CK OUT	; CLOCK FOR CHECK
OSC OUT	; OSCILLATOR FOR DOT CLOCK GENERATOR
VBLK1	; VIDEO BLANKING 1
VBLK2	; VIDEO BLANKING 2
VC1	; CHARACTER SIGNAL 1
VC2	; CHARACTER SIGNAL 2

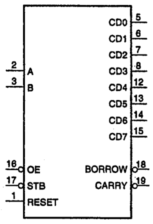

DATA 3
CK 1
STB 2
DATA INPUT SHIFT REGISTER
Fo
INSTRUCTION DECODER
CONTROL SIGNAL
CHARA SIZE REGISTER
H ADDRESS REGISTER
WRITE ADDRESS COUNTER
DATA SELECTOR
VIDEO RAM
CHARACTER DATA 7-BIT × 288 WORD
BLINK DATA 1-BIT × 288 WORD
BACKGROUND CONTROL DATA REGISTER
DISPLAY CONTROL DATA REGISTER
H SIZE COUNTER
H POSITION COUNTER
H ADDRESS COUNTER
CK OUT 9
OSC IN 7
OSC OUT 6
OSC CIRCUIT
V ADDRESS REGISTER
CHARACTER GENERATOR ROM 12 × 18-BIT × 128 WORD
V SIZE COUNTER
V POSITION COUNTER
V ADDRESS COUNTER
HSYNC 16
VSYNC 15
SYNC PROTECT CIRCUIT
PCL 4
OUTPUT CONTROL
11 VC1
13 VC2
12 VBLK1
14 VBLK2

UPD4702G (NEC)

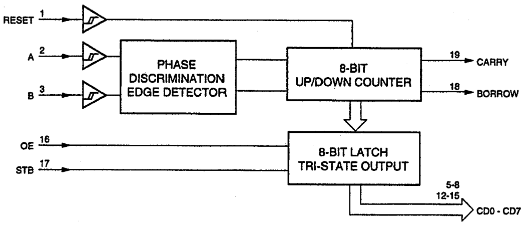
C-MOS INCREMENTAL ENCODER 8-BIT UPDOWN COUNTER

—TOP VIEW—


RESET 1
A 2
B 3
4 NC
CD0 5
CD1 6
CD2 7
CD3 8
9 NC
10 GND
VDD 20
19 CARRY
18 BORROW
17 STB
16 OE
15 CD7
14 CD6
13 CD5
12 CD4
NC 11


2 A
3 B
16 OE
17 STB
1 RESET
CD0 5
CD1 6
CD2 7
CD3 8
CD4 12
CD5 13
CD6 14
CD7 15
BORROW 18
CARRY 19

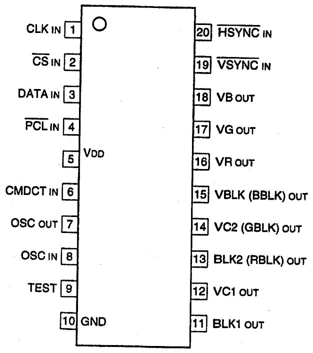
A	: INCREMENTAL SIGNAL (PHASE A) INPUT
B	: INCREMENTAL SIGNAL (PHASE B) INPUT
BORROW	: BORROW PULSE OUTPUT
CARRY	: CARRY PULSE OUTPUT
CD0 - 7	: COUNT DATA OUTPUT
OE	: OUTPUT CONTROL SIGNAL INPUT
RESET	: COUNTER RESET INPUT
STB	: LATCH STROBE SIGNAL INPUT


RESET 1
A 2
B 3
PHASE DISCRIMINATION EDGE DETECTOR
8-BIT UP/DOWN COUNTER
19 CARRY
18 BORROW
OE 16
STB 17
8-BIT LATCH TRI-STATE OUTPUT
5-8 12-15
CD0 - CD7

UPD6466GS-515 (NEC)

C-MOS ON-SCREEN CHARACTER DISPLAY

—TOP VIEW—


CLK IN 1
CS IN 2
DATA IN 3
PCL IN 4
5 VDD
CMDCT IN 6
OSC OUT 7
OSC IN 8
TEST 9
10 GND
20 HSYNC IN
19 VSYNC IN
18 VB OUT
17 VG OUT
16 VR OUT
15 VBLK (BBLK) OUT
14 VC2 (GBLK) OUT
13 BLK2 (RBLK) OUT
12 VC1 OUT
11 BLK1 OUT

INPUT

CLK : CLOCK
CS : CHIP SELECT
CMDCT : COMMAND SELECT
DATA : SERIAL DATA
HSYNC : HORIZONTAL SYNC
OSC : OSCILLATOR
PCL : POWER ON CLEAR
VSYNC : VERTICAL SYNC

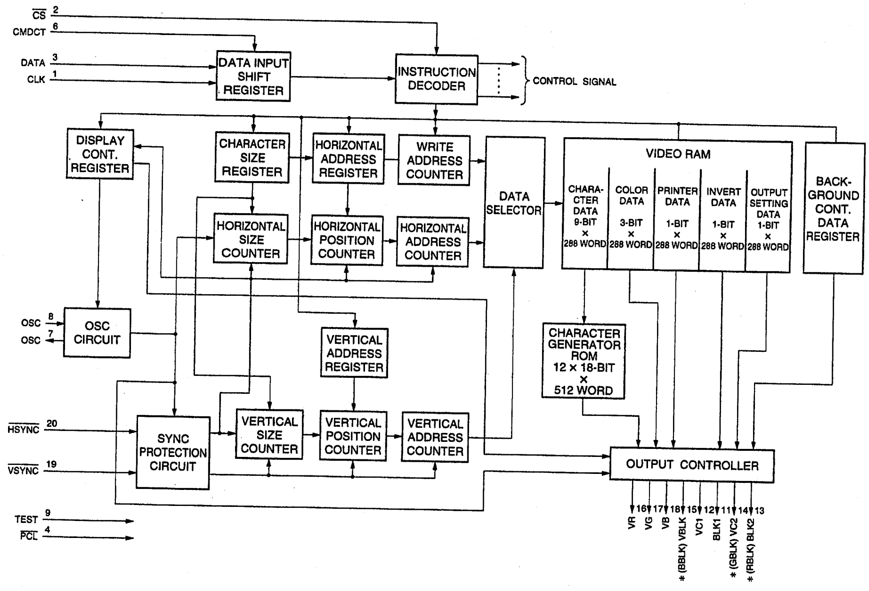
OUTPUT

BLK1, BLK2 : BLANKING 1, 2
BBLK : BLANKING B
OSC : OSCILLATOR
GBLK : BLANKING G
RBLK : BLANKING R
VBLK : BLANKING
VC1, VC2 : CHARACTER 1, 2
VR, VG, VB : CHARACTER R, G, B

OTHER

TEST : TEST

* IN ( ) ARE SET BY SETTING WITH INITIAL CONDITION SETTING COMMAND.

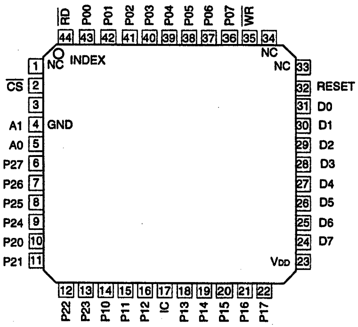

CS 2
CMDCT 6
DATA 3
CLK 1
DATA INPUT SHIFT REGISTER
INSTRUCTION DECODER
CONTROL SIGNAL
DISPLAY CONT. REGISTER
CHARACTER SIZE REGISTER
HORIZONTAL ADDRESS REGISTER
WRITE ADDRESS COUNTER
DATA SELECTOR
VIDEO RAM
CHARA-CTER DATA 9-BIT × 288 WORD
COLOR DATA 3-BIT × 288 WORD
PRINTER DATA 1-BIT × 288 WORD
INVERT DATA 1-BIT × 288 WORD
OUTPUT SETTING DATA 1-BIT × 288 WORD
BACK-GROUND CONT. DATA REGISTER
HORIZONTAL SIZE COUNTER
HORIZONTAL POSITION COUNTER
HORIZONTAL ADDRESS COUNTER
OSC 8
OSC 7
OSC CIRCUIT
VERTICAL ADDRESS REGISTER
CHARACTER GENERATOR ROM 12 × 18-BIT × 512 WORD
HSYNC 20
VSYNC 19
SYNC PROTECTION CIRCUIT
VERTICAL SIZE COUNTER
VERTICAL POSITION COUNTER
VERTICAL ADDRESS COUNTER
OUTPUT CONTROLLER
TEST 9
PCL 4
16 VR
17 VG
18 VB
15 * (BBLK) VBLK
12 VC1
11 BLK1
14 * (GBLK) VC2
13 * (RBLK) BLK2

IC

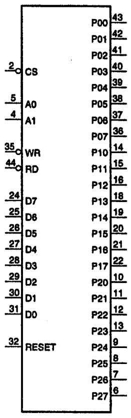
UPD71055GB-10-3B4 (NEC)

C-MOS PARALLEL INTERFACE UNIT

—TOP VIEW—



RD P00 P01 P02 P03 P04 P05 P06 P07 WR
44 43 42 41 40 39 38 37 36 35 34
INDEX
1 NC
CS 2
3
A1 4 GND
A0 5
P27 6
P26 7
P25 8
P24 9
P20 10
P21 11
NC
NC 33
32 RESET
31 D0
30 D1
29 D2
28 D3
27 D4
26 D5
25 D6
24 D7
VDD 23
12 13 14 15 16 17 18 19 20 21 22
P22 P23 P10 P11 P12 IC P13 P14 P15 P16 P17



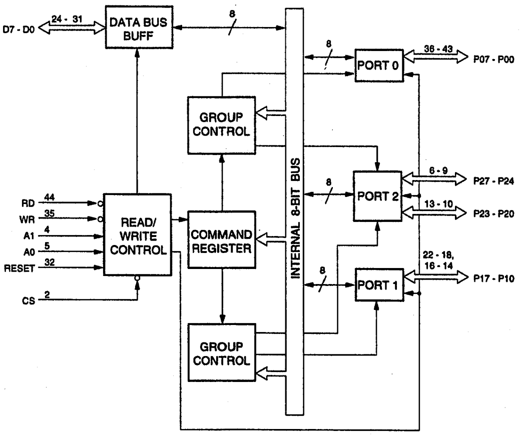
2 CS
5 A0
4 A1
35 WR
44 RD
24 D7
25 D6
26 D5
27 D4
28 D3
29 D2
30 D1
31 D0
32 RESET
P00 43
P01 42
P02 41
P03 40
P04 39
P05 38
P06 37
P07 36
P10 14
P11 15
P12 16
P13 18
P14 19
P15 20
P16 21
P17 22
P20 10
P21 11
P22 12
P23 13
P24 9
P25 8
P26 7
P27 6

A1, A0 ; ADDRESS
CS ; CHIP SELECT
D7 - D0 ; DATA BUS
P07 - P00 ; PORT 0
P17 - P10 ; PORT 1
P27 - P20 ; PORT 2
$\overline{\text{RD}}$; READ STROBE
$\overline{\text{WR}}$; WRITE STROBE

IC ; INTERNALLY CONNECTED

CS	RD	WR	A1	A0	OPERATION	CPU ACTION
0	0	1	0	0	PORT0 → DATA • BUS	INPUT
0	0	1	0	1	PORT1 → DATA • BUS	INPUT
0	0	1	1	0	PORT2 → DATA • BUS	INPUT
0	0	1	1	1	DISABLE	
0	0	0	×	×		
0	1	0	0	0	DATA • BUS → PORT0	OUTPUT
0	1	0	0	1	DATA • BUS → PORT1	OUTPUT
0	1	0	1	0	DATA • BUS → PORT2	OUTPUT
0	1	0	1	1	DATA • BUS → COMMAND REGISTER	OUTPUT
0	1	1	×	×	HIGH IMPEDANCE	
1	×	×	×	×		

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

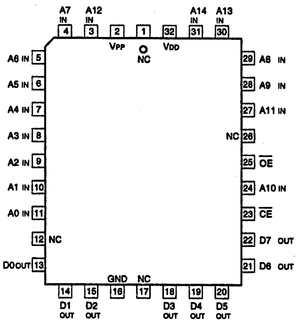


D7 - D0
24 - 31
DATA BUS BUFF
8
8
PORT 0
36 - 43
P07 - P00
GROUP CONTROL
INTERNAL 8-BIT BUS
8
PORT 2
6 - 9
P27 - P24
13 - 10
P23 - P20
RD 44
WR 35
A1 4
A0 5
RESET 32
CS 2
READ/ WRITE CONTROL
COMMAND REGISTER
8
PORT 1
22 - 18, 16 - 14
P17 - P10
GROUP CONTROL

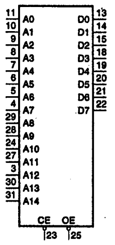
WS57C256F-55C-(A) (WAFERSCALE)

C-MOS 256K (32K × 8)-BIT EPROM

—TOP VIEW—



A7 IN
A12 IN
A14 IN
A13 IN
4 3 2 1 32 31 30
VPP
NC
VDD
A6 IN 5
A5 IN 6
A4 IN 7
A3 IN 8
A2 IN 9
A1 IN 10
A0 IN 11
12 NC
D0 OUT 13
29 A8 IN
28 A9 IN
27 A11 IN
NC 26
25 OE
24 A10 IN
23 CE
22 D7 OUT
21 D6 OUT
GND NC
14 15 16 17 18 19 20
D1 OUT D2 OUT D3 OUT D4 OUT D5 OUT

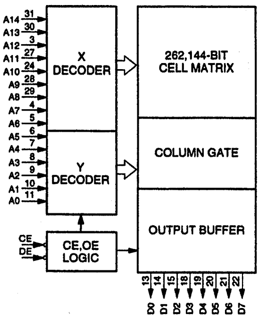


11 A0
10 A1
9 A2
8 A3
7 A4
6 A5
5 A6
4 A7
29 A8
28 A9
24 A10
27 A11
3 A12
30 A13
31 A14
D0 13
D1 14
D2 15
D3 18
D4 19
D5 20
D6 21
D7 22
CE OE
23 25

A0 - A14 ; ADDRESS INPUT
$\overline{\text{CE}}$; CHIP ENABLE INPUT
D0 - D7 ; DATA OUTPUT
$\overline{\text{OE}}$; OUTPUT ENABLE INPUT
VPP ; PROGRAM POWER SUPPLY

An	$\overline{\text{CE}}$	$\overline{\text{OE}}$	VPP	Dn	FUNCTION
An	0	0	+5V	D out	READ
An	0	1	+5V	HI-Z	OUTPUT DISABLE
×	1	×	+5V	HI-Z	STANDBY

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

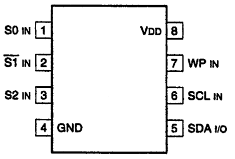


A14 31
A13 30
A12 3
A11 27
A10 24
A9 28
A8 29
A7 4
A6 5
A5 6
A4 7
A3 8
A2 9
A1 10
A0 11
X DECODER
Y DECODER
262,144-BIT CELL MATRIX
COLUMN GATE
OUTPUT BUFFER
CE
OE
CE,OE LOGIC
13 14 15 18 19 20 21 22
D0 D1 D2 D3 D4 D5 D6 D7

X24164SIT1 (XICOR)(16K-BIT)

C-MOS SERIAL EEPROM

—TOP VIEW—



S0 IN 1
$\overline{S1}$ IN 2
S2 IN 3
4 GND
VDD 8
7 WP IN
6 SCL IN
5 SDA I/O

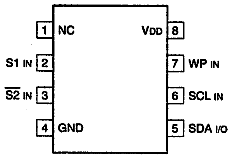
INPUT
S0, $\overline{\text{S1}}$, S2 : DEVICE SELECT
SCL : SERIAL CLOCK
WP : WRITE PROTECT

INPUT/OUTPUT
SDA : SERIAL DATA

X24645S8T2 (XICOR)

C-MOS SERIAL EEPROM

—TOP VIEW—



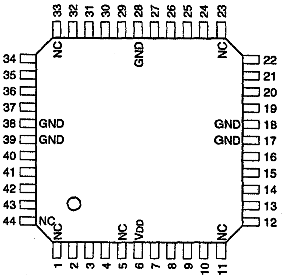
1 NC
S1 IN 2
$\overline{S2}$ IN 3
4 GND
VDD 8
7 WP IN
6 SCL IN
5 SDA I/O

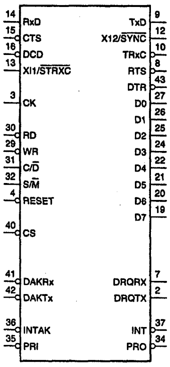
INPUT
S1, $\overline{\text{S2}}$: DEVICE SELECT
SCL : SERIAL CLOCK
WP : WRITE PROTECT

INPUT/OUTPUT
SDA : SERIAL DATA

UPD72002GB-11-3B4 (NEC)

C-MOS MULTI-PROTOCOL SERIAL CONTROLLER
—TOP VIEW—


33
32
31
30
29
28
27
26
25
24
23
NC
GND
NC
34
35
36
37
38
39
40
41
42
43
44
GND
GND
NC
NC
NC
VDD
NC
GND
GND
22
21
20
19
18
17
16
15
14
13
12
1
2
3
4
5
6
7
8
9
10
11


14 RxD
15 CTS
16 DCD
13 XI1/STRXC
3 CK
30 RD
29 WR
31 C/D
32 S/M
4 RESET
40 CS
41 DAKRx
42 DAKTx
36 INTAK
35 PRI
TxD 9
X12/SYNC 12
TRxC 10
RTS 8
DTR 43
D0 27
D1 26
D2 25
D3 24
D4 22
D5 21
D6 20
D7 19
DRQRX 7
DRQTX 2
INT 37
PRO 34

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	NC	23	—	NC
2	O	DRQTx	24	I/O	D3
3	I	CLK	25	I/O	D2
4	I	$\overline{\text{RESET}}$	26	I/O	D1
5	—	NC	27	I/O	D0
6	—	V_{DD}	28	—	GND
7	O	DRQRx	29	I	$\overline{\text{WR}}$
8	O	$\overline{\text{RTS}}$	30	I	$\overline{\text{RD}}$
9	O	TxD	31	I	C/$\overline{\text{D}}$
10	I	$\overline{\text{TRxC}}$	32	I	S/$\overline{\text{M}}$
11	—	NC	33	—	NC
12	I/O	XI2/$\overline{\text{SYNC}}$	34	O	$\overline{\text{PRO}}$
13	I	XI1/$\overline{\text{STRxC}}$	35	I	$\overline{\text{PRI}}$
14	I	RxD	36	I	$\overline{\text{INTAK}}$
15	I	$\overline{\text{CTS}}$	37	O	$\overline{\text{INT}}$
16	I	$\overline{\text{DCD}}$	38	—	GND
17	—	GND	39	—	GND
18	—	GND	40	I	$\overline{\text{CS}}$
19	I/O	D7	41	I	$\overline{\text{DAKRx}}$
20	I/O	D6	42	I	$\overline{\text{DAKTx}}$
21	I/O	D5	43	O	$\overline{\text{DTR}}$
22	I/O	D4	44	—	NC

INPUT

C/$\overline{\text{D}}$; CONTROL/DATA SELECT
CK ; SYSTEM CLOCK
CS ; CHIP SELECT
CTS ; CLEAR TO SEND
DAKRX ; DMA ACKNOWLEDGE RX
DAKTX ; DMA ACKNOWLEDGE TX
DCD ; DATA CARRIER DETECT
INTAK ; INTERRUPT ACKNOWLEDGE
PRI ; PRIORITY
RD ; READ ENABLE
RESET ; RESET
RxD ; RECEIVE DATA
S/$\overline{\text{M}}$; REGISTER SUB/MAIN SELECT
WR ; WRITE ENABLE
XT1/STRXC ; CRYSTAL INPUT 1/SOURCE OF TRANSMIT RECEIVE CLOCK

OUTPUT

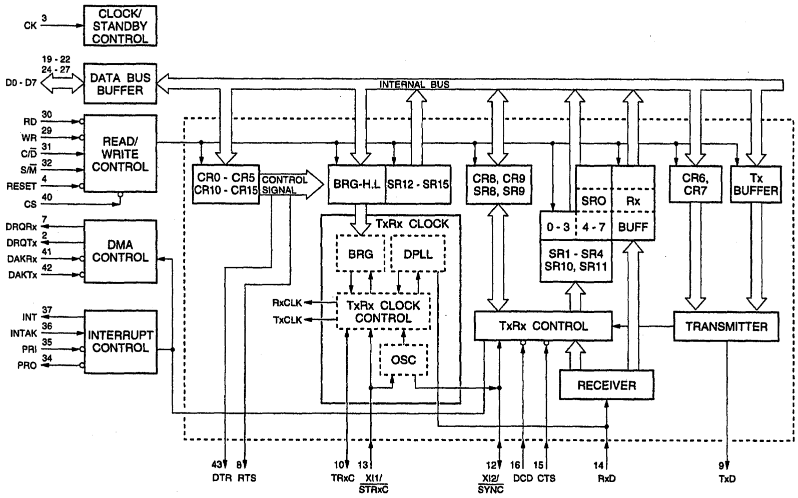
DRQRX ; DMA REQUEST RX
DRQTX ; DMA REQUEST TX
DTR ; DATA TERMINAL READY
INT ; INTERRUPT
PRO ; PRIORITY
RTS ; REQUEST TO SEND
TxD ; TRANSMIT DATA

INPUT/OUTPUT

D0 - D7 ; DATA BUS
$\underline{\text{TRxC}}$; TRANSMIT RECEIVE CLOCK
XT2/$\overline{\text{SYNC}}$; CRYSTAL INPUT 2/SYNCHRONIZATION

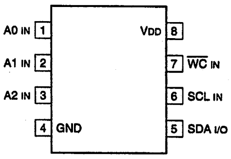
IINPUTS					FUNCTION
CS	WR	RD	S/$\overline{\text{M}}$	C/$\overline{\text{D}}$	
0	0	1	0	0	TRANSMIT DATA WRITE TO Tx BUFFER
0	1	0	0	0	RECEIVED DATA READ FROM Rx BUFFER
0	0	1	0	1	DATA WRITE TO CONTROL MAIN REGISTER
			1		DATA WRITE TO CONTROL SUB REGISTER
0	1	0	0	1	DATA READ FROM STATUS MAIN REGISTER
			1		DATA READ FROM STATUS SUB REGISTER
0	1	1	×	×	HIGH-IMPEDANCE
0	0	0	×	×	INHIBIT

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE


CK 3
CLOCK/ STANDBY CONTROL
D0 - D7 19 - 22 24 - 27
DATA BUS BUFFER
INTERNAL BUS
RD 30
WR 29
C/D 31
S/M 32
RESET 4
CS 40
READ/ WRITE CONTROL
DRQRx 7
DRQTx 2
DAKRx 41
DAKTx 42
DMA CONTROL
INT 37
INTAK 36
PRI 35
PRO 34
INTERRUPT CONTROL
CR0 - CR5 CR10 - CR15
CONTROL SIGNAL
BRG-H.L
SR12 - SR15
CR8, CR9 SR8, SR9
SR0
Rx
0 - 3
4 - 7
BUFF
SR1 - SR4 SR10, SR11
CR6, CR7
Tx BUFFER
TxRx CLOCK
BRG
DPLL
RxCLK
TxCLK
TxRx CLOCK CONTROL
OSC
TxRx CONTROL
TRANSMITTER
RECEIVER
43 DTR
8 RTS
10 TRxC
13 XI1/ STRxC
12 XI2/ SYNC
16 DCD
15 CTS
14 RxD
9 TxD

X24C02S-T1 (XICOR)(2K-BIT)

C-MOS SERIAL EEPROM
—TOP VIEW—


A0 IN 1
A1 IN 2
A2 IN 3
4 GND
VDD 8
7 WC IN
6 SCL IN
5 SDA I/O

INPUT
A0 - A2 : ADDRESS
SCL : SERIAL CLOCK
$\overline{\text{WC}}$: WRITE CONTROL

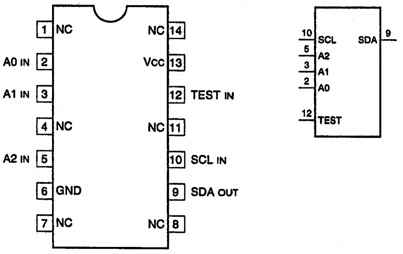
INPUT/OUTPUT
SDA : SERIAL DATA

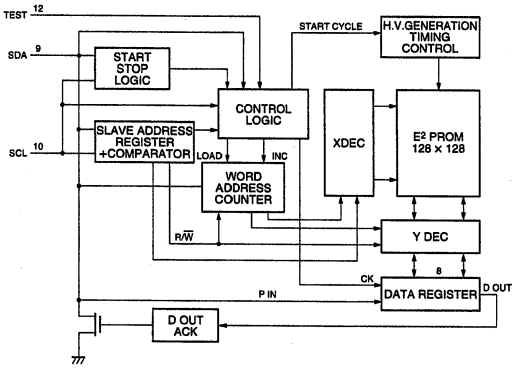
NOTE :

TYPE	PIN 7
NM24C16	NC
X24C02	$\overline{\text{WC}}$
X24C04	TEST

X24C16SI (XICOR)
X24C16SI-C7000

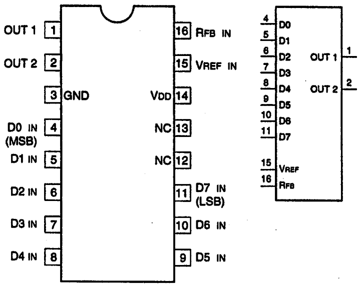
C-MOS 16,384 (2,048 × 8)-BIT SERIAL EEPROM
—TOP VIEW—

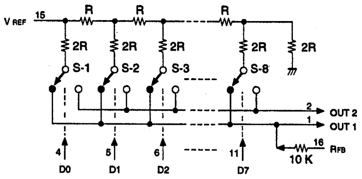

1 NC
A0 IN 2
A1 IN 3
4 NC
A2 IN 5
6 GND
7 NC
NC 14
Vcc 13
12 TEST IN
NC 11
10 SCL IN
9 SDA OUT
NC 8
10 SCL
5 A2
3 A1
2 A0
12 TEST
SDA 9


TEST 12
SDA 9
SCL 10
START STOP LOGIC
CONTROL LOGIC
SLAVE ADDRESS REGISTER +COMPARATOR
LOAD
INC
WORD ADDRESS COUNTER
R/W
START CYCLE
H.V.GENERATION TIMING CONTROL
XDEC
E² PROM 128 × 128
Y DEC
8
CK
P IN
DATA REGISTER
D OUT
D OUT ACK

XRD7523AID-JTR (EXAR)

C-MOS 8-BIT D/A CONVERTER
—TOP VIEW—


OUT 1 1
OUT 2 2
3 GND
D0 IN 4 (MSB)
D1 IN 5
D2 IN 6
D3 IN 7
D4 IN 8
16 RFB IN
15 VREF IN
VDD 14
NC 13
NC 12
11 D7 IN (LSB)
10 D6 IN
9 D5 IN
4 D0
5 D1
6 D2
7 D3
8 D4
9 D5
10 D6
11 D7
15 VREF
16 RFB
OUT 1 1
OUT 2 2


V REF 15
R
R
R
2R
2R
2R
2R
2R
S-1
S-2
S-3
S-8
2 OUT 2
1 OUT 1
16 RFB
10 K
4 D0
5 D1
6 D2
11 D7

MP7523 : R = 10 K
XRD7523 : R = 20 K

Circuit Functions

System	Board	Function	Page
CCD BLOCK	BI-96	CCD Imager (R, G, B)	3-4
	CN-1183	Connector for BI-96	3-7
	DR-387	CCD Driver	3-7
	PA-228	Pre-amp (Sample & Hold)	3-4
	TG-206*1/TG-207*2	Timing Generator	3-6
	VA-191	Video Amp	3-5
CAMERA/VIDEO	AD-155	A/D Converter	3-8
	BF-74	Connector for DCP-17	3-8
	CN-1573*1	Connector for DCP-17	3-8
	RC-69*2+RC-75*2	Rate (16:9 to 4:3) Converter	3-8
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	DVP-14	Digital Bit Reduction Decoder, Digital Encoder, Digital Decoder, Timing Clock Generator	3-13
	DVP-17	RF, Digital Audio Processor, System Controller for VTR Block	3-13
	ES-23	Composite Encoder	3-9
	TC-101	Analog Audio Processor, Time Code Generator	3-12, 14, 15
HEAD/SERVO	CTL-10	CTL/Erase Head Amp	3-10
	CUE-2	CUE Head Amp	3-14
	HN-260	Harness, Head Amp (REC Head PB)	3-15
	SV-210	Servo Controller	3-10
MICROPHONE	IF-716	Lens Control, Mic Amp	3-12
	MA-94	Camera Mic Pre-amp	3-12
	SW-971	Mic Level, Auto White/Black SW, VTR Start/Stop SW, Shutter On/Off Select SW	3-12
POWER SUPPLY	DC-101	Battery DC Filter	–
	PS-533	Power Supply (Light)	3-10
	RE-160	Regulator	3-10
	RE-161	Regulator, Switching Control	3-10
CONNECTOR BOX	AXM-21	Connector (AUDIO IN/OUT), Audio Pre-amp	3-12, 14
	CNB-11	Circuit Breaker	3-10
	DC-106	External DC Filter	3-10
	IO-178	Connector (GEN LOCK IN, TEST OUT, TC IN, TC OUT)	3-15
	LP-111	Rear Tally	3-10
	RM-180	Connector (RM)	3-10
	VSE-32	GENLOCK IN Filter	–

*1 : For DVW-707/707P only
*2 : For DVW-790WS/790WSP/709WS/709WSP only

System	Board	Function	
OTHERS	CI-20	Connector (40-pin)	3-3
	CI-21	40-pin Adaptor Interface	3-3
	CP-329	Switch Panel	3-15
	HP-93	Earphone	3-14
	KY-293	Function Key	3-15
	LP-109	Back Tally, Back Tally Switch	3-10
	MB-810	Motherboard	–
	MB-811	Motherboard	–
	SE-275	Sensor	–
	SW-972	Turbo Gain Switch	3-15
	SW-973	Menu and Light Auto/Manual Switch	–
	SW-983	Rotary Encoder Switch	3-3
	VR-248	Memory Card, Audio Select Switch, Alarm Level, Monitor Level	3-14, 15
OPTION	FM-65*3 (BKDW-704)	Image Inverter Board	3-3
	DIF-75 (BKDW-702)	SDI Output Board	3-3
	MY-93 (BKDW-703)	Picture Cache Board	3-10

*3 : Dedicated optional board for DVW-790WS/790WSP/709WS/709WSP.

Section 3
Block Diagrams

Block Diagram Index

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BC-32 .... 3-4, 7
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BI-96 3-4

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CN-1573 3-8
CP-329 3-15
CUE-2 3-14

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DVP-17 3-13

E. ES-23/23P 3-9

H. HN-260 3-15
HP-93 3-14

I. IF-716 3-12
IO-178 3-15

K. KY-293 3-15

M. MA-94 3-12

P. PA-228 3-4

R. RC-69 3-8
RC-75 3-8

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TG-206/206P 3-6
TG-207/207P 3-6

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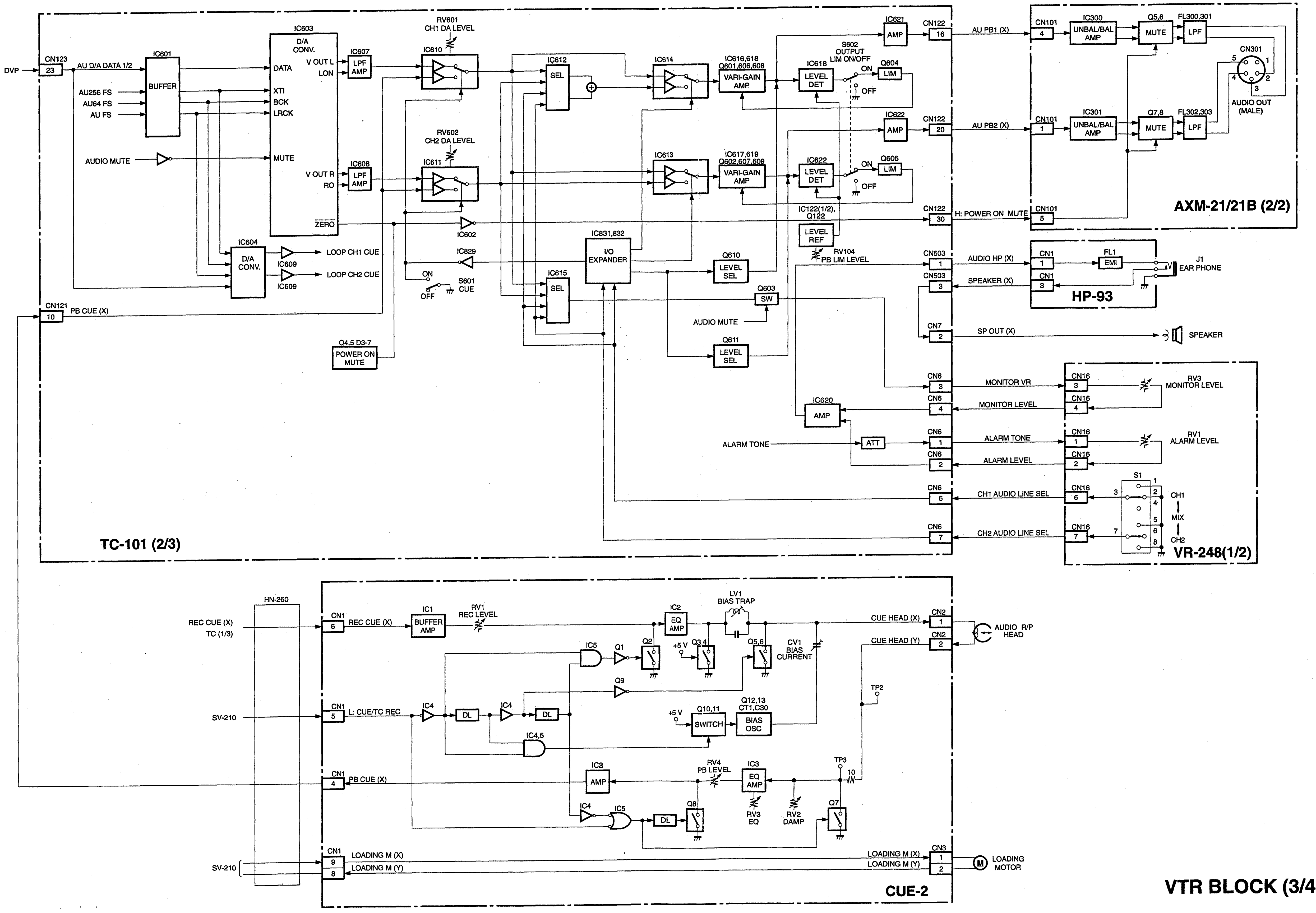
VR-248 .... 3-14, 15

3-1

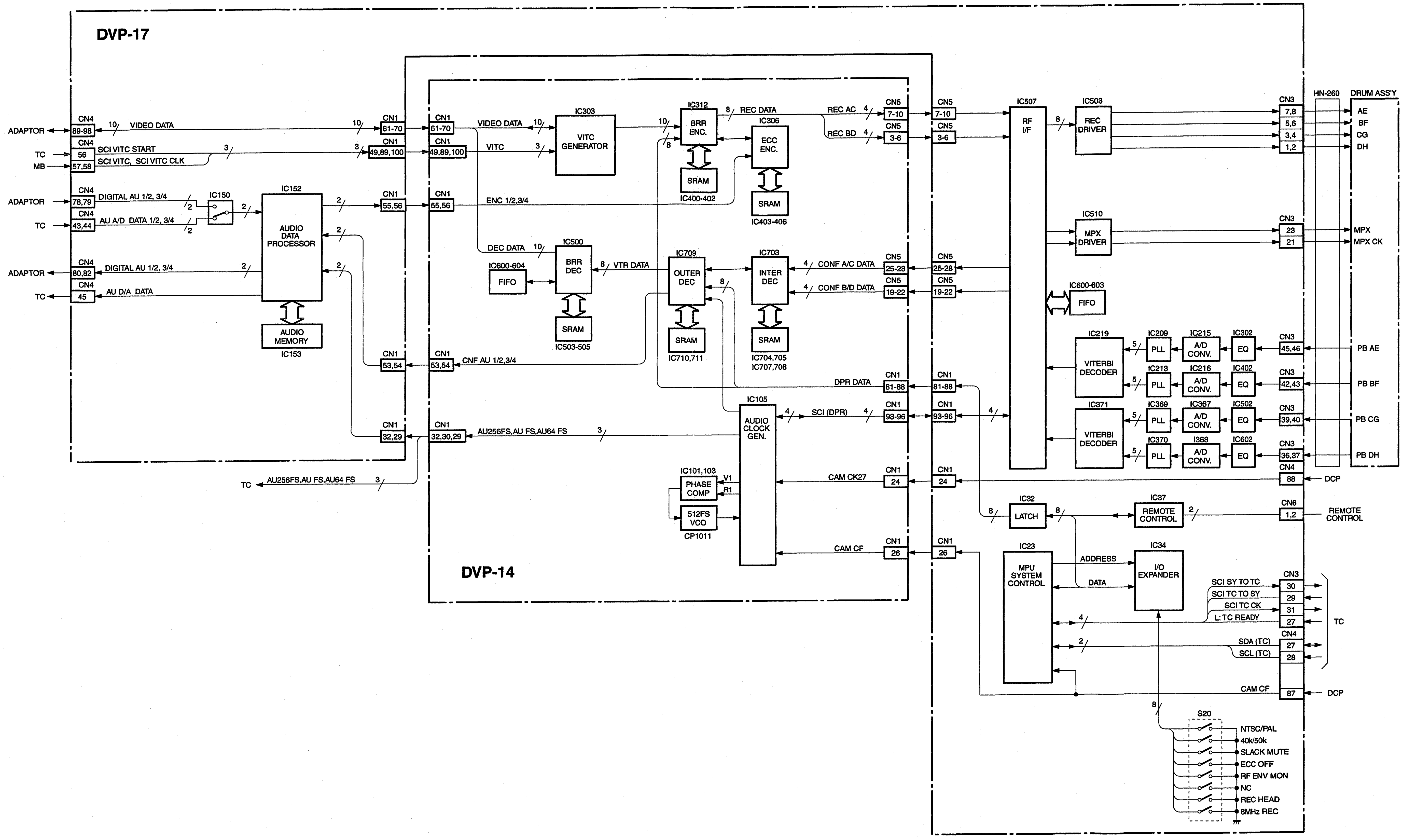
AXM-21/21B (2/2), CUE-2, HP-93, TC-101 (2/3), VR-248 (1/2) Block Diagram

AUDIO OUTPUT


DVP
CN123
23
AU D/A DATA 1/2
IC601
BUFFER
AU256 FS
AU64 FS
AU FS
AUDIO MUTE
IC603
D/A CONV.
DATA
XTI
BCK
LRCK
MUTE
V OUT L
LON
V OUT R
RO
ZERO
IC607
LPF AMP
IC608
LPF AMP
RV601
CH1 DA LEVEL
IC610
RV602
CH2 DA LEVEL
IC611
IC602
IC604
D/A CONV.
IC609
LOOP CH1 CUE
LOOP CH2 CUE
IC829
ON
OFF
S601
CUE
Q4,5 D3-7
POWER ON MUTE
CN121
10
PB CUE (X)
IC612
SEL
IC615
SEL
IC614
IC613
IC831,832
I/O EXPANDER
IC616,618
Q601,606,608
VARI-GAIN AMP
IC617,619
Q602,607,609
VARI-GAIN AMP
IC618
LEVEL DET
IC622
LEVEL DET
S602
OUTPUT
LIM ON/OFF
ON
OFF
Q604
LIM
Q605
LIM
IC621
AMP
IC622
AMP
IC122(1/2), Q122
LEVEL REF
RV104
PB LIM LEVEL
Q610
LEVEL SEL
Q603
SW
AUDIO MUTE
Q611
LEVEL SEL
IC620
AMP
ALARM TONE
ATT
CN122
16
20
30
AU PB1 (X)
AU PB2 (X)
H: POWER ON MUTE
CN503
1
3
AUDIO HP (X)
SPEAKER (X)
CN7
2
SP OUT (X)
SPEAKER
CN6
3
4
1
2
6
7
MONITOR VR
MONITOR LEVEL
ALARM TONE
ALARM LEVEL
CH1 AUDIO LINE SEL
CH2 AUDIO LINE SEL
TC-101 (2/3)
CN101
4
1
5
IC300
UNBAL/BAL AMP
IC301
UNBAL/BAL AMP
Q5,6
MUTE
Q7,8
MUTE
FL300,301
LPF
FL302,303
LPF
CN301
AUDIO OUT (MALE)
AXM-21/21B (2/2)
CN1
FL1
EMI
J1
EAR PHONE
HP-93
CN16
RV3
MONITOR LEVEL
RV1
ALARM LEVEL
S1
CH1
MIX
CH2
VR-248(1/2)
HN-260
REC CUE (X)
TC (1/3)
SV-210
SV-210
CN1
6
REC CUE (X)
IC1
BUFFER AMP
RV1
REC LEVEL
IC2
EQ AMP
LV1
BIAS TRAP
CUE HEAD (X)
CUE HEAD (Y)
CN2
AUDIO R/P HEAD
IC5
Q1
Q2
+5 V
Q3,4
Q5,6
CV1
BIAS CURRENT
Q9
5
L: CUE/TC REC
IC4
DL
IC4
DL
IC4,5
+5 V
Q10,11
SWITCH
Q12,13
CT1,C30
BIAS OSC
TP2
4
PB CUE (X)
IC3
AMP
RV4
PB LEVEL
IC3
EQ AMP
TP3
10
RV3
EQ
RV2
DAMP
IC4
IC5
DL
Q8
Q7
9
8
LOADING M (X)
LOADING M (Y)
CN3
LOADING MOTOR
CUE-2

VTR BLOCK (3/4)

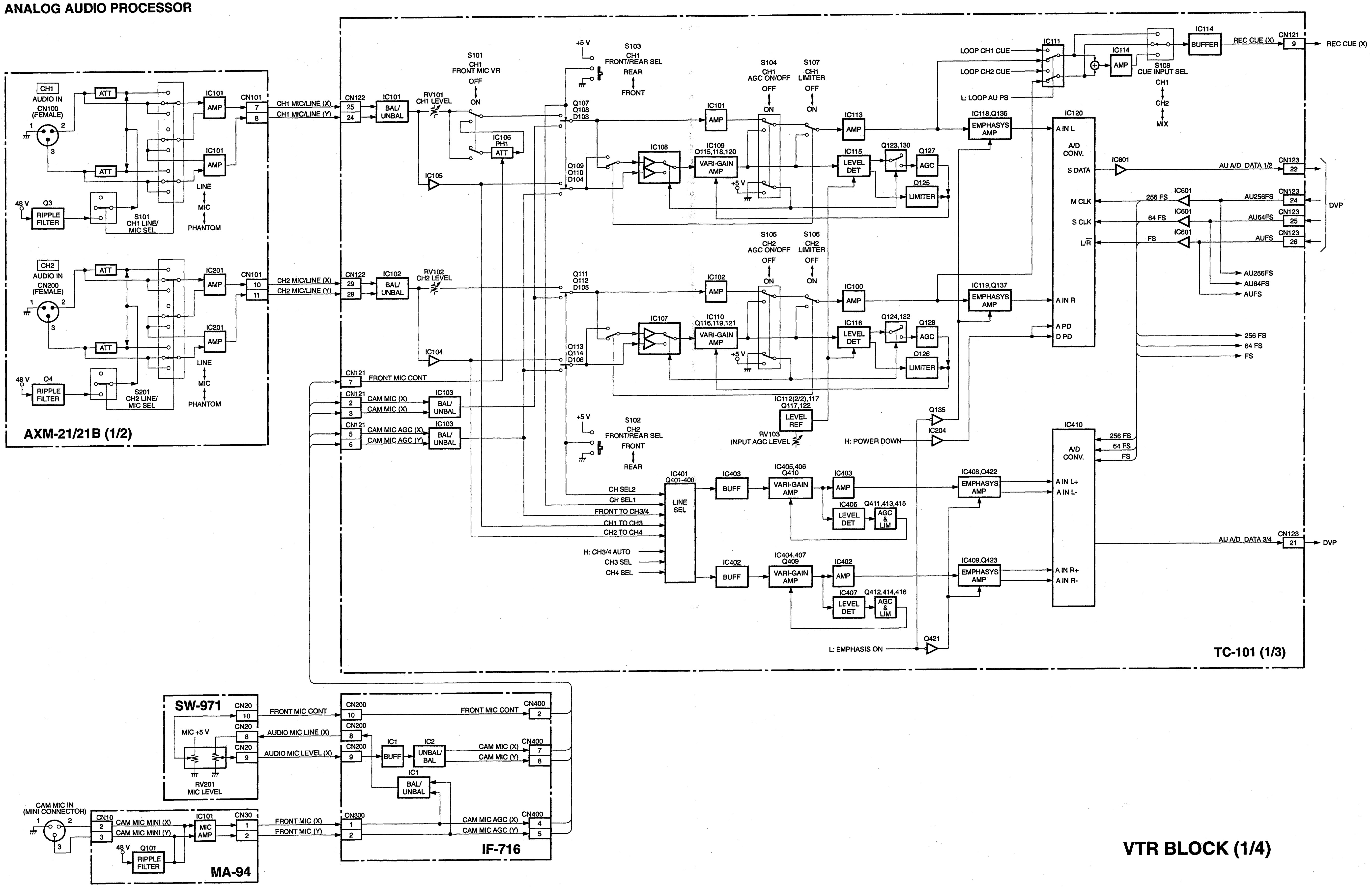
AUDIO PROCESSOR


DVP-17
DVP-14
ADAPTOR
TC
MB
CN4
89-98
56
57,58
VIDEO DATA
SCI VITC START
SCI VITC, SCI VITC CLK
78,79
43,44
DIGITAL AU 1/2, 3/4
AU A/D DATA 1/2, 3/4
IC150
IC152
AUDIO DATA PROCESSOR
AUDIO MEMORY
IC153
80,82
45
AU D/A DATA
CN1
61-70
49,89,100
55,56
53,54
32,29
32,30,29
VITC
IC303
VITC GENERATOR
ENC 1/2,3/4
DEC DATA
IC600-604
FIFO
IC500
BRR DEC
SRAM
IC503-505
VTR DATA
CNF AU 1/2,3/4
AU256FS,AU FS,AU64 FS
IC312
BRR ENC.
REC DATA
IC306
ECC ENC.
IC400-402
IC403-406
IC709
OUTER DEC
IC710,711
IC703
INTER DEC
IC704,705
IC707,708
CONF A/C DATA
CONF B/D DATA
REC AC
REC BD
CN5
7-10
3-6
25-28
19-22
DPR DATA
81-88
IC105
AUDIO CLOCK GEN.
SCI (DPR)
93-96
IC101,103
PHASE COMP
V1
R1
512FS VCO
CP1011
CAM CK27
24
CAM CF
26
IC507
RF I/F
IC508
REC DRIVER
IC510
MPX DRIVER
IC600-603
FIFO
IC219
VITERBI DECODER
IC371
VITERBI DECODER
IC209
IC213
IC369
IC370
PLL
IC215
IC216
IC367
I368
A/D CONV.
IC302
IC402
IC502
IC602
EQ
CN3
7,8
5,6
3,4
1,2
23
21
45,46
42,43
39,40
36,37
HN-260
DRUM ASS'Y
AE
BF
CG
DH
MPX
MPX CK
PB AE
PB BF
PB CG
PB DH
88
DCP
IC32
LATCH
IC37
REMOTE CONTROL
CN6
1,2
REMOTE CONTROL
IC23
MPU SYSTEM CONTROL
ADDRESS
DATA
IC34
I/O EXPANDER
SCI SY TO TC
SCI TC TO SY
SCI TC CK
L: TC READY
30
29
31
27
SDA (TC)
SCL (TC)
28
87
S20
NTSC/PAL
40k/50k
SLACK MUTE
ECC OFF
RF ENV MON
NC
REC HEAD
8MHz REC

VTR BLOCK (2/4)

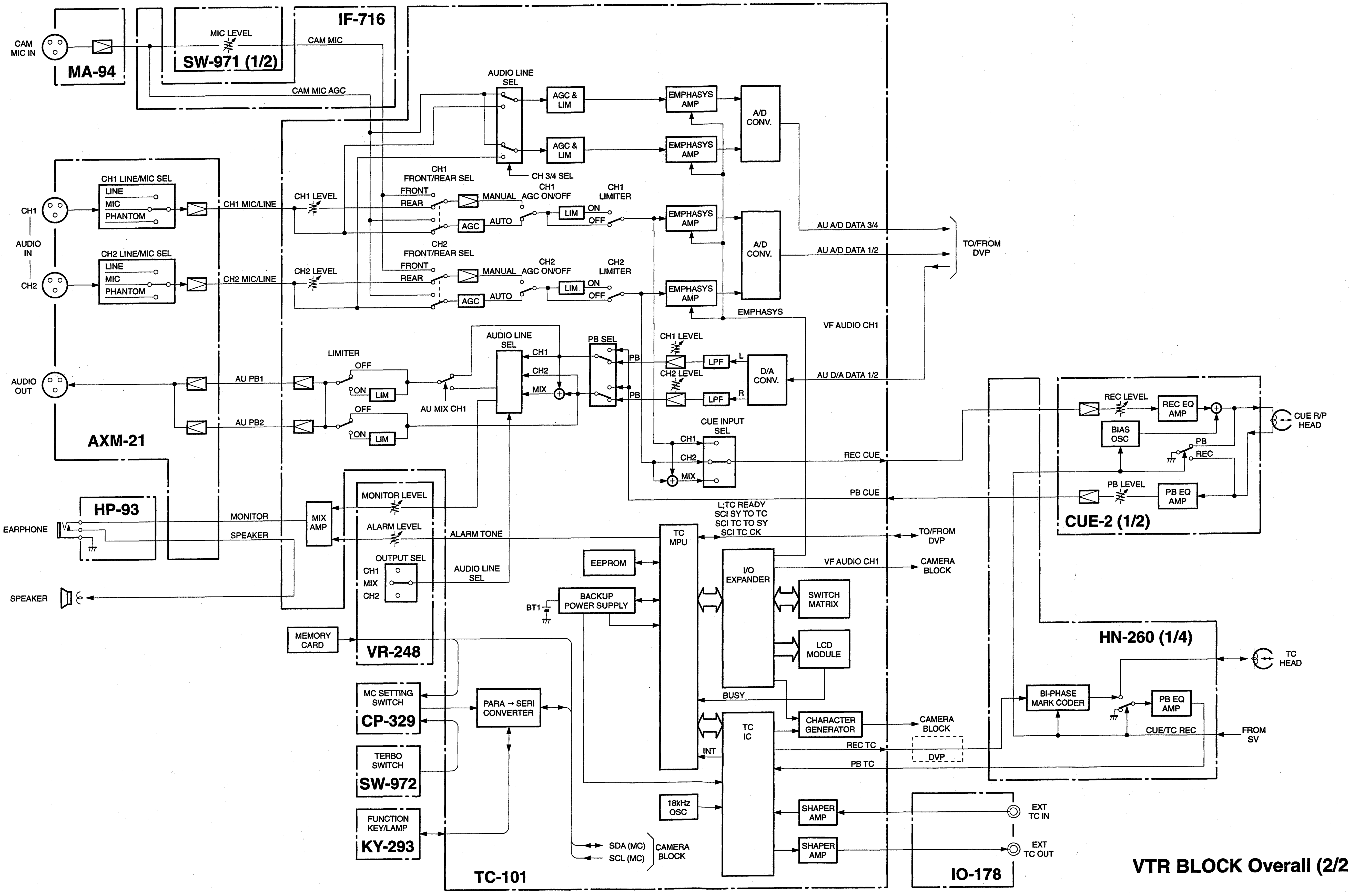
AXM-21/21B (1/2), IF-716, MA-94, SW-971, TC-101 (1/3) Block Diagram

ANALOG AUDIO PROCESSOR

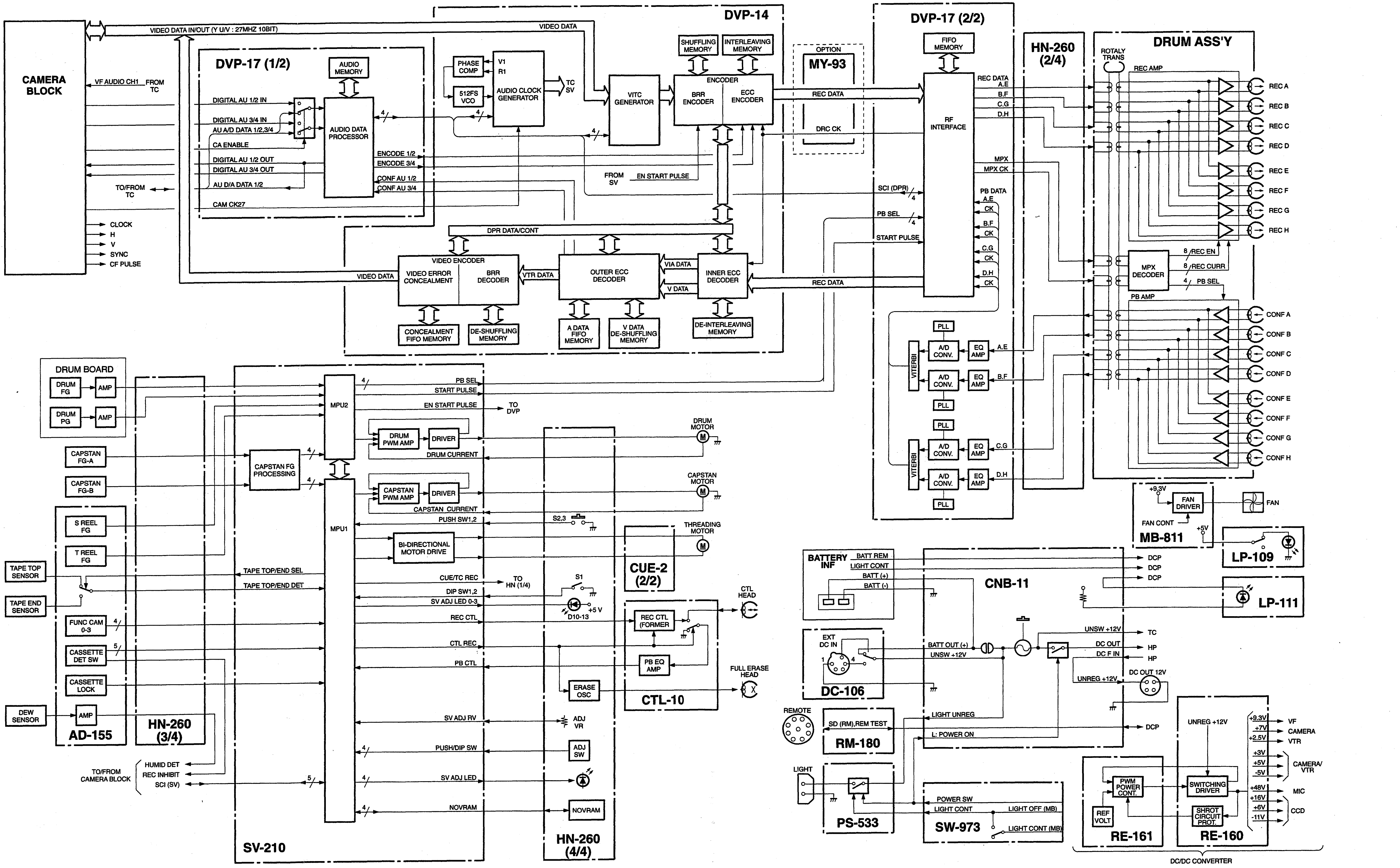


AXM-21/21B (1/2)
CH1
AUDIO IN
CN100
(FEMALE)
ATT
IC101
AMP
CN101
48 V
Q3
RIPPLE FILTER
S101
CH1 LINE/MIC SEL
LINE
MIC
PHANTOM
CH2
AUDIO IN
CN200
(FEMALE)
IC201
AMP
Q4
S201
CH2 LINE/MIC SEL
CH1 MIC/LINE (X)
CH1 MIC/LINE (Y)
CH2 MIC/LINE (X)
CH2 MIC/LINE (Y)
TC-101 (1/3)
CN122
IC101
BAL/UNBAL
IC102
BAL/UNBAL
S101
CH1
FRONT MIC VR
OFF
ON
RV101
CH1 LEVEL
RV102
CH2 LEVEL
IC106
PH1
ATT
IC105
IC104
+5 V
S103
CH1
FRONT/REAR SEL
REAR
FRONT
S102
CH2
FRONT/REAR SEL
Q107
Q108
D103
Q109
Q110
D104
Q111
Q112
D105
Q113
Q114
D106
IC108
IC107
IC109
Q115,118,120
VARI-GAIN AMP
IC110
Q116,119,121
IC102
AMP
S104
CH1
AGC ON/OFF
S107
CH1
LIMITER
S105
CH2
AGC ON/OFF
S106
CH2
LIMITER
IC113
AMP
IC100
AMP
IC115
LEVEL DET
IC116
LEVEL DET
Q123,130
Q124,132
Q127
Q128
AGC
Q125
Q126
LIMITER
IC112(2/2),117
Q117,122
LEVEL REF
RV103
INPUT AGC LEVEL
IC118,Q136
EMPHASYS AMP
IC119,Q137
LOOP CH1 CUE
LOOP CH2 CUE
L: LOOP AU PS
IC111
IC114
AMP
BUFFER
S108
CUE INPUT SEL
CH1
CH2
MIX
REC CUE (X)
CN121
REC CUE (X)
IC120
A IN L
A/D CONV.
S DATA
M CLK
S CLK
L/R
A IN R
A PD
D PD
IC601
AU A/D DATA 1/2
CN123
256 FS
64 FS
FS
AU256FS
AU64FS
AUFS
DVP
Q135
IC204
H: POWER DOWN
CN121
FRONT MIC CONT
CAM MIC (X)
CAM MIC (Y)
IC103
CAM MIC AGC (X)
CAM MIC AGC (Y)
IC401
Q401-408
LINE SEL
CH SEL2
CH SEL1
FRONT TO CH3/4
CH1 TO CH3
CH2 TO CH4
H: CH3/4 AUTO
CH3 SEL
CH4 SEL
IC403
BUFF
IC405,406
Q410
IC406
Q411,413,415
AGC & LIM
IC402
IC404,407
Q409
IC407
Q412,414,416
IC408,Q422
IC409,Q423
IC410
A IN L+
A IN L-
A IN R+
A IN R-
AU A/D DATA 3/4
Q421
L: EMPHASIS ON
SW-971
CN20
MIC +5 V
RV201
MIC LEVEL
FRONT MIC CONT
AUDIO MIC LINE (X)
AUDIO MIC LEVEL (X)
IF-716
CN200
CN400
IC1
BUFF
IC2
UNBAL/BAL
CN300
FRONT MIC (X)
FRONT MIC (Y)
CAM MIC IN
(MINI CONNECTOR)
MA-94
CN10
CAM MIC MINI (X)
CAM MIC MINI (Y)
MIC AMP
CN30
Q101

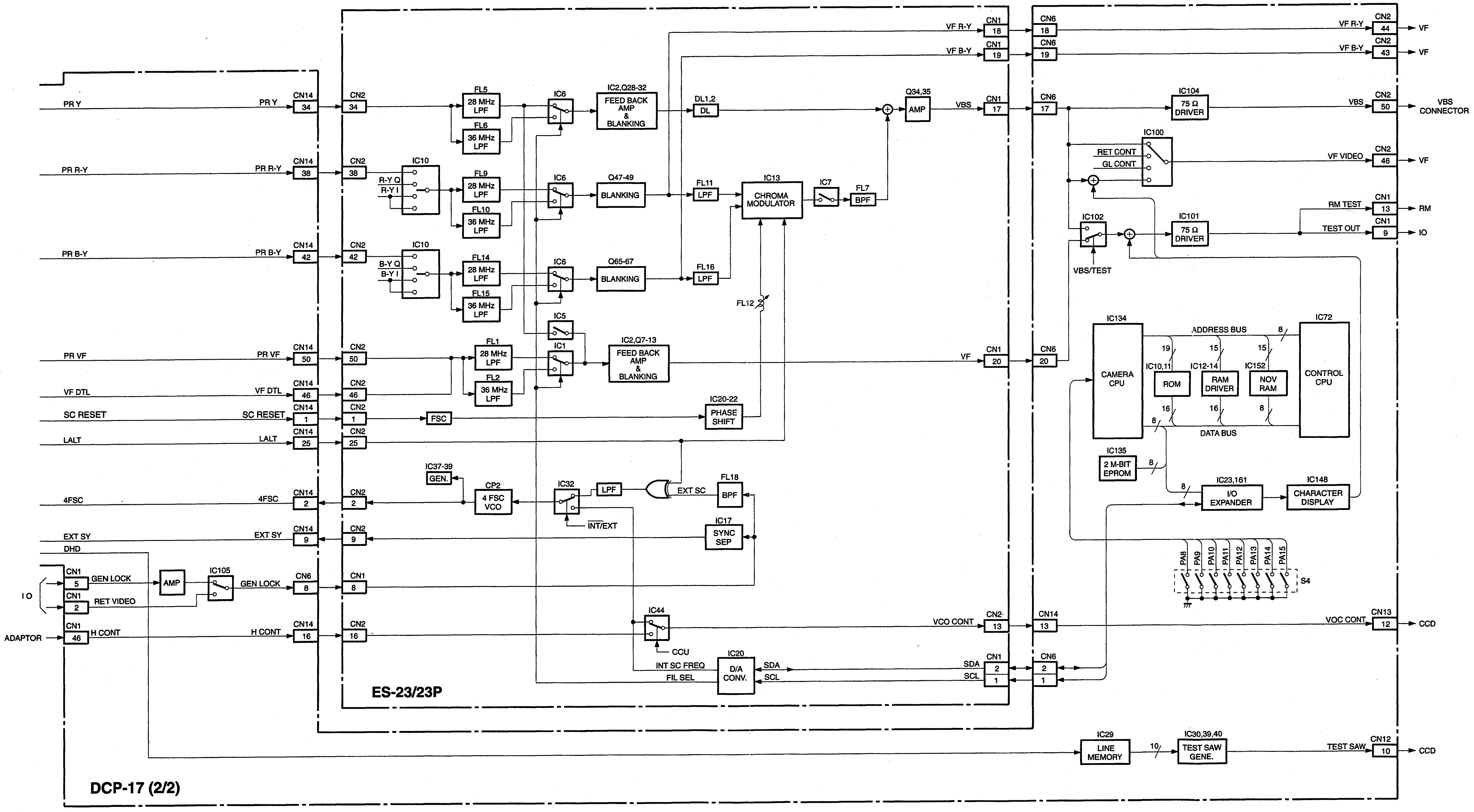
VTR BLOCK (1/4)


CAM MIC IN
MA-94
MIC LEVEL
SW-971 (1/2)
CAM MIC
CAM MIC AGC
IF-716
AUDIO LINE SEL
AGC & LIM
AGC & LIM
EMPHASYS AMP
EMPHASYS AMP
A/D CONV.
CH 3/4 SEL
CH1 LINE/MIC SEL
LINE
MIC
PHANTOM
CH1
AUDIO IN
CH2
CH2 LINE/MIC SEL
LINE
MIC
PHANTOM
CH1 MIC/LINE
CH2 MIC/LINE
CH1 LEVEL
CH2 LEVEL
CH1 FRONT/REAR SEL
FRONT
REAR
MANUAL
AUTO
AGC
CH1 AGC ON/OFF
LIM
CH1 LIMITER
ON
OFF
EMPHASYS AMP
A/D CONV.
CH2 FRONT/REAR SEL
FRONT
REAR
MANUAL
AUTO
AGC
CH2 AGC ON/OFF
LIM
CH2 LIMITER
ON
OFF
EMPHASYS AMP
EMPHASYS
AU A/D DATA 3/4
AU A/D DATA 1/2
TO/FROM DVP
VF AUDIO CH1
AUDIO OUT
AU PB1
AU PB2
LIMITER
OFF
ON
LIM
OFF
ON
LIM
AU MIX CH1
AUDIO LINE SEL
CH1
CH2
MIX
PB SEL
PB
PB
CH1 LEVEL
CH2 LEVEL
LPF
LPF
L
R
D/A CONV.
AU D/A DATA 1/2
AXM-21
CUE INPUT SEL
CH1
CH2
MIX
REC CUE
PB CUE
REC LEVEL
REC EQ AMP
BIAS OSC
PB
REC
PB LEVEL
PB EQ AMP
CUE R/P HEAD
CUE-2 (1/2)
HP-93
EARPHONE
MONITOR
SPEAKER
MIX AMP
MONITOR LEVEL
ALARM LEVEL
ALARM TONE
OUTPUT SEL
CH1
MIX
CH2
AUDIO LINE SEL
SPEAKER
L;TC READY
SCI SY TO TC
SCI TC TO SY
SCI TC CK
TC MPU
TO/FROM DVP
EEPROM
I/O EXPANDER
VF AUDIO CH1
CAMERA BLOCK
BACKUP POWER SUPPLY
BT1
SWITCH MATRIX
LCD MODULE
MEMORY CARD
VR-248
HN-260 (1/4)
TC HEAD
BUSY
MC SETTING SWITCH
CP-329
PARA → SERI CONVERTER
CHARACTER GENERATOR
CAMERA BLOCK
BI-PHASE MARK CODER
PB EQ AMP
TC IC
INT
REC TC
DVP
PB TC
CUE/TC REC
FROM SV
TERBO SWITCH
SW-972
18kHz OSC
SHAPER AMP
SHAPER AMP
EXT TC IN
EXT TC OUT
FUNCTION KEY/LAMP
KY-293
SDA (MC)
SCL (MC)
CAMERA BLOCK
TC-101
IO-178

VTR BLOCK Overall (2/2)

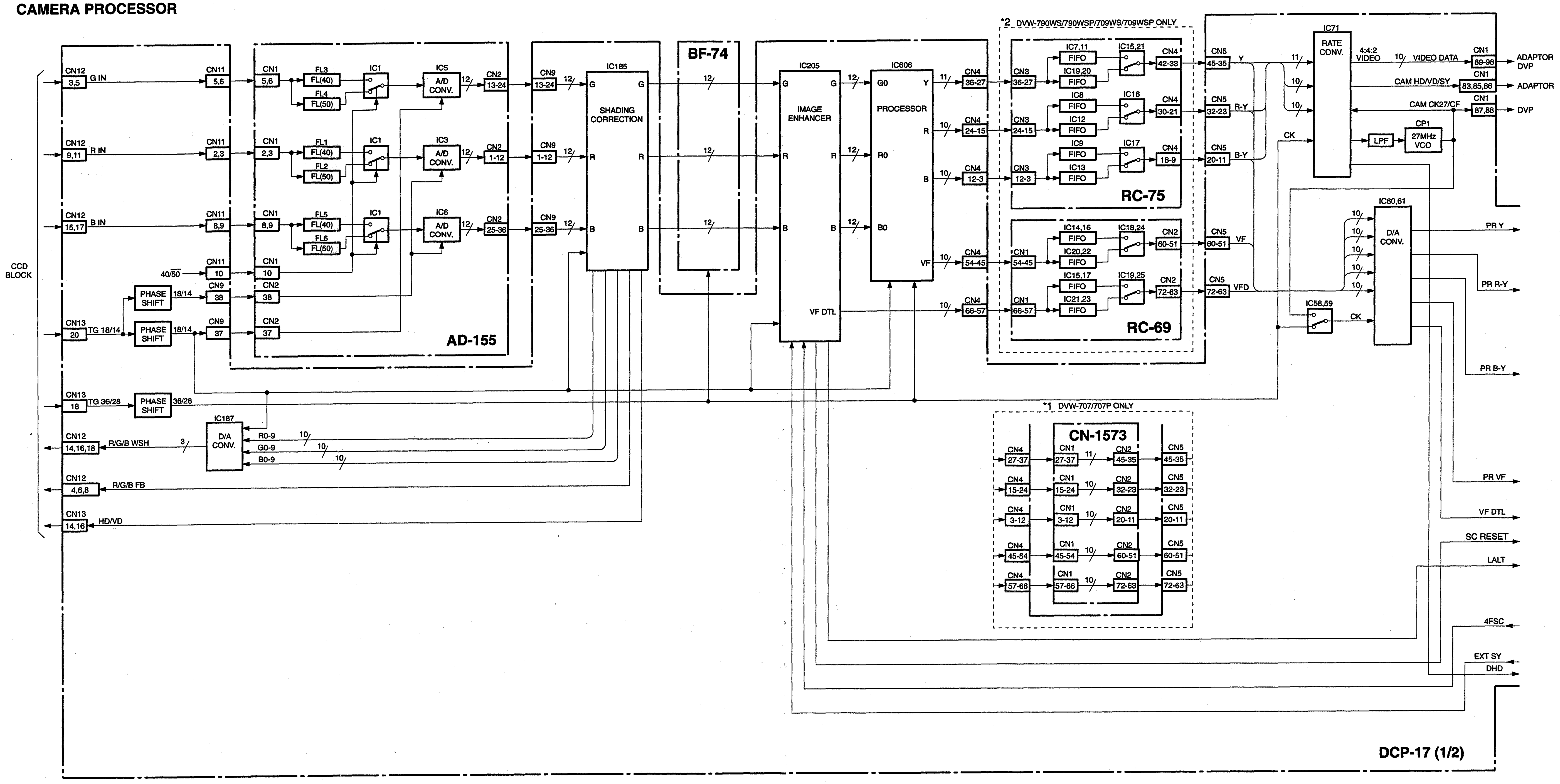

CAMERA BLOCK
VF AUDIO CH1
FROM TC
TO/FROM TC
CLOCK
H
V
SYNC
CF PULSE
VIDEO DATA IN/OUT (Y U/V : 27MHZ 10BIT)
VIDEO DATA
DVP-17 (1/2)
AUDIO MEMORY
DIGITAL AU 1/2 IN
DIGITAL AU 3/4 IN
AU A/D DATA 1/2,3/4
CA ENABLE
DIGITAL AU 1/2 OUT
DIGITAL AU 3/4 OUT
AU D/A DATA 1/2
CAM CK27
AUDIO DATA PROCESSOR
ENCODE 1/2
ENCODE 3/4
CONF AU 1/2
CONF AU 3/4
DVP-14
PHASE COMP
512FS VCO
V1
R1
AUDIO CLOCK GENERATOR
TC
SV
VITC GENERATOR
SHUFFLING MEMORY
INTERLEAVING MEMORY
ENCODER
BRR ENCODER
ECC ENCODER
FROM SV
EN START PULSE
DPR DATA/CONT
VIDEO ENCODER
VIDEO ERROR CONCEALMENT
BRR DECODER
VTR DATA
OUTER ECC DECODER
VIA DATA
V DATA
INNER ECC DECODER
CONCEALMENT FIFO MEMORY
DE-SHUFFLING MEMORY
A DATA FIFO MEMORY
V DATA DE-SHUFFLING MEMORY
DE-INTERLEAVING MEMORY
OPTION
MY-93
REC DATA
DRC CK
DVP-17 (2/2)
FIFO MEMORY
RF INTERFACE
REC DATA
A.E
B.F
C.G
D.H
MPX
MPX CK
SCI (DPR)
PB SEL
START PULSE
PB DATA
A.E
CK
B.F
CK
C.G
CK
D.H
CK
REC DATA
PLL
A/D CONV.
EQ AMP
VITERBI
A.E
B.F
C.G
D.H
HN-260 (2/4)
DRUM ASS'Y
ROTALY TRANS
REC AMP
REC A
REC B
REC C
REC D
REC E
REC F
REC G
REC H
MPX DECODER
8 /REC EN
8 /REC CURR
4 PB SEL
PB AMP
CONF A
CONF B
CONF C
CONF D
CONF E
CONF F
CONF G
CONF H
DRUM BOARD
DRUM FG
DRUM PG
AMP
CAPSTAN FG-A
CAPSTAN FG-B
S REEL FG
T REEL FG
TAPE TOP SENSOR
TAPE END SENSOR
FUNC CAM 0-3
CASSETTE DET SW
CASSETTE LOCK
DEW SENSOR
AMP
AD-155
HN-260 (3/4)
TO/FROM CAMERA BLOCK
HUMID DET
REC INHIBIT
SCI (SV)
CAPSTAN FG PROCESSING
MPU2
MPU1
PB SEL
START PULSE
EN START PULSE
TO DVP
DRUM PWM AMP
DRIVER
DRUM CURRENT
DRUM MOTOR
CAPSTAN PWM AMP
DRIVER
CAPSTAN CURRENT
CAPSTAN MOTOR
PUSH SW1,2
S2,3
BI-DIRECTIONAL MOTOR DRIVE
THREADING MOTOR
TAPE TOP/END SEL
TAPE TOP/END DET
CUE/TC REC
TO HN (1/4)
DIP SW1,2
SV ADJ LED 0-3
S1
D10-13
+5 V
REC CTL
CTL REC
PB CTL
SV ADJ RV
PUSH/DIP SW
SV ADJ LED
NOVRAM
SV-210
ADJ VR
ADJ SW
NOVRAM
HN-260 (4/4)
CUE-2 (2/2)
REC CTL (FORMER
PB EQ AMP
ERASE OSC
CTL-10
CTL HEAD
FULL ERASE HEAD
BATTERY INF
BATT REM
LIGHT CONT
BATT (+)
BATT (-)
CNB-11
DCP
DCP
DCP
EXT DC IN
BATT OUT (+)
UNSW +12V
DC-106
UNSW +12V
TC
DC OUT
DC F IN
HP
HP
UNREG +12V
DC OUT 12V
LIGHT UNREG
L: POWER ON
DCP
REMOTE
SD (RM),REM TEST
RM-180
LIGHT
PS-533
POWER SW
LIGHT CONT
LIGHT OFF (MB)
LIGHT CONT (MB)
SW-973
+9.3V
FAN DRIVER
FAN CONT
+5V
MB-811
FAN
LP-109
LP-111
PWM POWER CONT.
REF VOLT
RE-161
UNREG +12V
SWITCHING DRIVER
SHROT CIRCUIT PROT.
RE-160
DC/DC CONVERTER
+9.3V
+7V
+2.5V
VF
CAMERA
VTR
+3V
+5V
-5V
CAMERA/VTR
+48V
+16V
+6V
-11V
MIC
CCD
4
5

VTR BLOCK Overall (1/2)

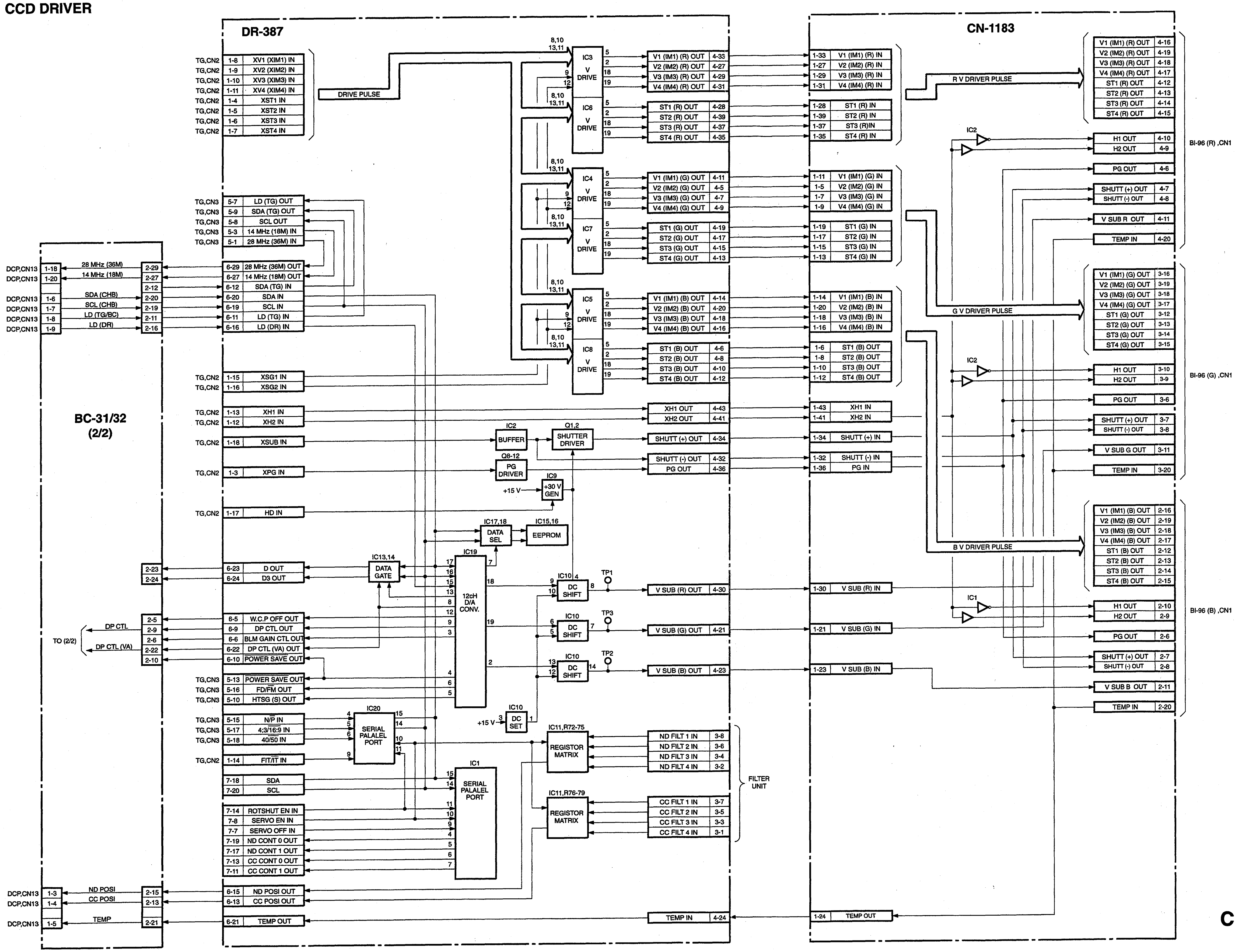

PR Y
PR R-Y
PR B-Y
PR VF
VF DTL
SC RESET
LALT
4FSC
EXT SY
DHD
IO
ADAPTOR
CN14 34
CN14 38
CN14 42
CN14 50
CN14 46
CN14 1
CN14 25
CN14 2
CN14 9
CN1 5
CN1 2
CN1 46
GEN LOCK
RET VIDEO
H CONT
AMP
IC105
CN6 8
CN14 16
CN2 34
CN2 38
CN2 42
CN2 50
CN2 46
CN2 1
CN2 25
CN2 2
CN2 9
CN1 8
CN2 16
IC10
R-Y Q
R-Y I
B-Y Q
B-Y I
FL5 28 MHz LPF
FL6 36 MHz LPF
FL9 28 MHz LPF
FL10 36 MHz LPF
FL14 28 MHz LPF
FL15 36 MHz LPF
FL1 28 MHz LPF
FL2 36 MHz LPF
IC6
IC5
IC1
IC2,Q28-32 FEED BACK AMP & BLANKING
Q47-49 BLANKING
Q65-67 BLANKING
IC2,Q7-13 FEED BACK AMP & BLANKING
DL1,2 DL
FL11 LPF
FL16 LPF
IC13 CHROMA MODULATOR
IC7
FL7 BPF
FL12
Q34,35 AMP
VBS
FSC
IC20-22 PHASE SHIFT
IC37-39 GEN.
CP2 4 FSC VCO
IC32
LPF
INT/EXT
EXT SC
FL18 BPF
IC17 SYNC SEP
IC44
CCU
INT SC FREQ
FIL SEL
IC20 D/A CONV.
SDA
SCL
VF R-Y
VF B-Y
CN1 18
CN1 19
CN1 17
CN1 20
VF
VCO CONT
CN2 13
CN1 2
CN1 1
ES-23/23P
CN6 18
CN6 19
CN6 17
CN6 20
CN14 13
CN6 2
CN6 1
IC104 75 Ω DRIVER
IC100
RET CONT
GL CONT
VF VIDEO
IC102
VBS/TEST
IC101 75 Ω DRIVER
RM TEST
TEST OUT
CN2 44
CN2 43
CN2 50
CN2 46
CN1 13
CN1 9
VBS CONNECTOR
RM
IO
IC134 CAMERA CPU
ADDRESS BUS
IC72 CONTROL CPU
19
15
15
8
IC10,11 ROM
IC12-14 RAM DRIVER
IC152 NOV RAM
16
16
8
8
DATA BUS
IC135 2 M-BIT EPROM
8
8
IC23,161 I/O EXPANDER
IC148 CHARACTER DISPLAY
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
S4
VOC CONT
CN13 12
CCD
IC29 LINE MEMORY
10
IC30,39,40 TEST SAW GENE.
TEST SAW
CN12 10
CCD
DCP-17 (2/2)

CAMERA BLOCK

CAMERA PROCESSOR

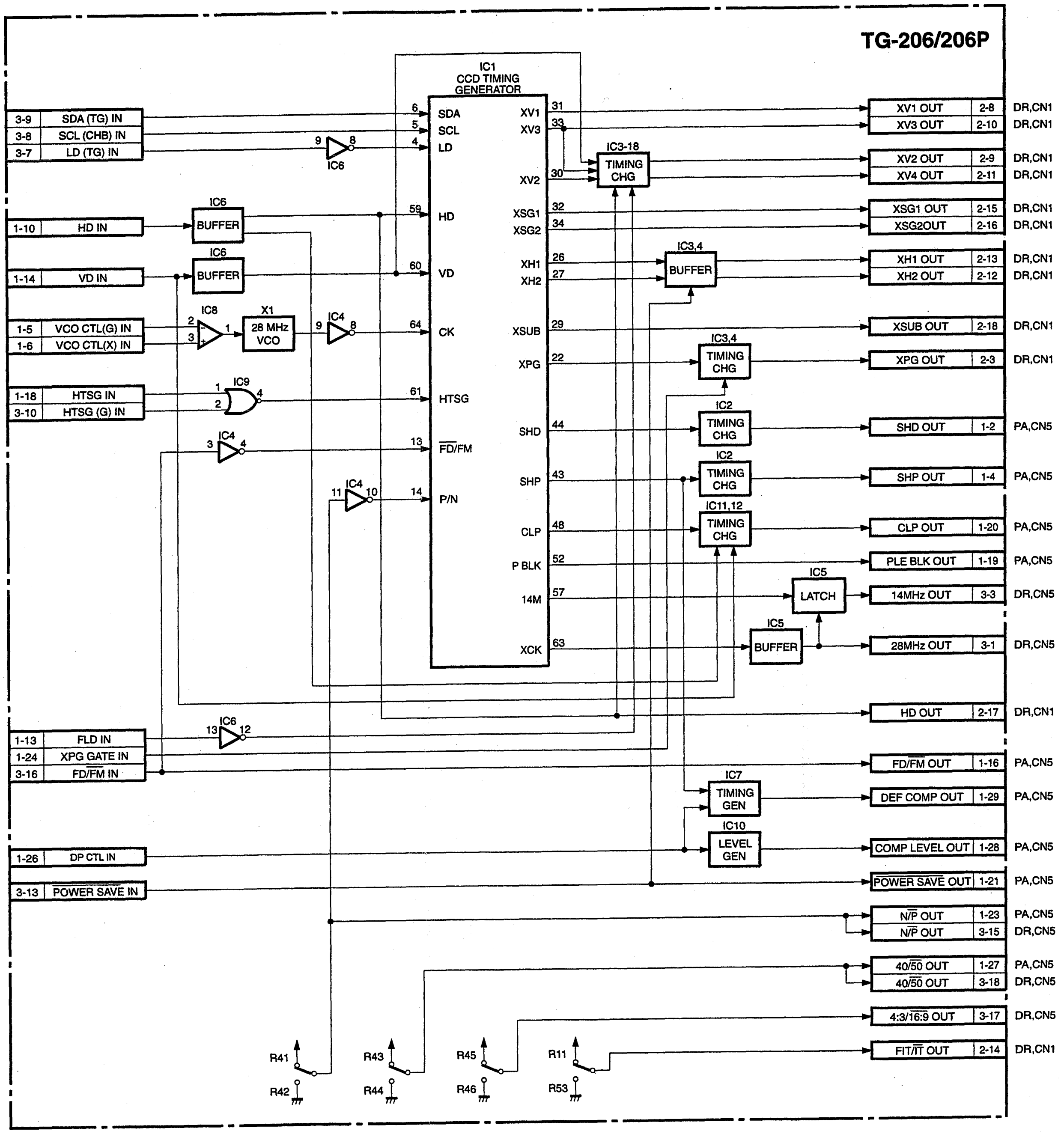

CCD BLOCK
CN12 3,5 G IN
CN12 9,11 R IN
CN12 15,17 B IN
CN13 20 TG 18/14
CN13 18 TG 36/28
CN12 14,16,18 R/G/B WSH
CN12 4,6,8 R/G/B FB
CN13 14,16 HD/VD
PHASE SHIFT
18/14
36/28
40/50
CN11 5,6
CN11 2,3
CN11 8,9
CN11 10
CN9 38
CN9 37
IC187 D/A CONV.
R0-9
G0-9
B0-9
3
10
CN1 5,6
CN1 2,3
CN1 8,9
CN1 10
CN2 38
CN2 37
FL3 FL(40)
FL4 FL(50)
FL1 FL(40)
FL2 FL(50)
FL5 FL(40)
FL6 FL(50)
IC1
IC5 A/D CONV.
IC3 A/D CONV.
IC6 A/D CONV.
12
CN2 13-24
CN2 1-12
CN2 25-36
AD-155
CN9 13-24
CN9 1-12
CN9 25-36
IC185
SHADING CORRECTION
G
R
B
BF-74
IC205
IMAGE ENHANCER
VF DTL
IC606
PROCESSOR
G0
R0
B0
Y
R
B
VF
11
CN4 36-27
CN4 24-15
CN4 12-3
CN4 54-45
CN4 66-57
*2 DVW-790WS/790WSP/709WS/709WSP ONLY
CN3 36-27
CN3 24-15
CN3 12-3
IC7,11 FIFO
IC19,20 FIFO
IC15,21
IC8 FIFO
IC12 FIFO
IC16
IC9 FIFO
IC13 FIFO
IC17
CN4 42-33
CN4 30-21
CN4 18-9
RC-75
CN1 54-45
CN1 66-57
IC14,16 FIFO
IC20,22 FIFO
IC18,24
IC15,17 FIFO
IC21,23 FIFO
IC19,25
CN2 60-51
CN2 72-63
RC-69
CN5 45-35 Y
CN5 32-23 R-Y
CN5 20-11 B-Y
CN5 60-51 VF
CN5 72-63 VFD
CK
IC71 RATE CONV.
4:4:2 VIDEO
VIDEO DATA
CN1 89-98
ADAPTOR DVP
CAM HD/VD/SY
CN1 83,85,86
ADAPTOR
CAM CK27/CF
CN1 87,88
DVP
LPF
CP1 27MHz VCO
IC60,61 D/A CONV.
IC58,59
PR Y
PR R-Y
PR B-Y
PR VF
VF DTL
SC RESET
LALT
4FSC
EXT SY
DHD
*1 DVW-707/707P ONLY
CN-1573
CN4 27-37
CN4 15-24
CN4 3-12
CN4 45-54
CN4 57-66
CN1 27-37
CN1 15-24
CN1 3-12
CN1 45-54
CN1 57-66
CN2 45-35
CN2 32-23
CN2 20-11
CN2 60-51
CN2 72-63
CN5 45-35
CN5 32-23
CN5 20-11
CN5 60-51
CN5 72-63
DCP-17 (1/2)

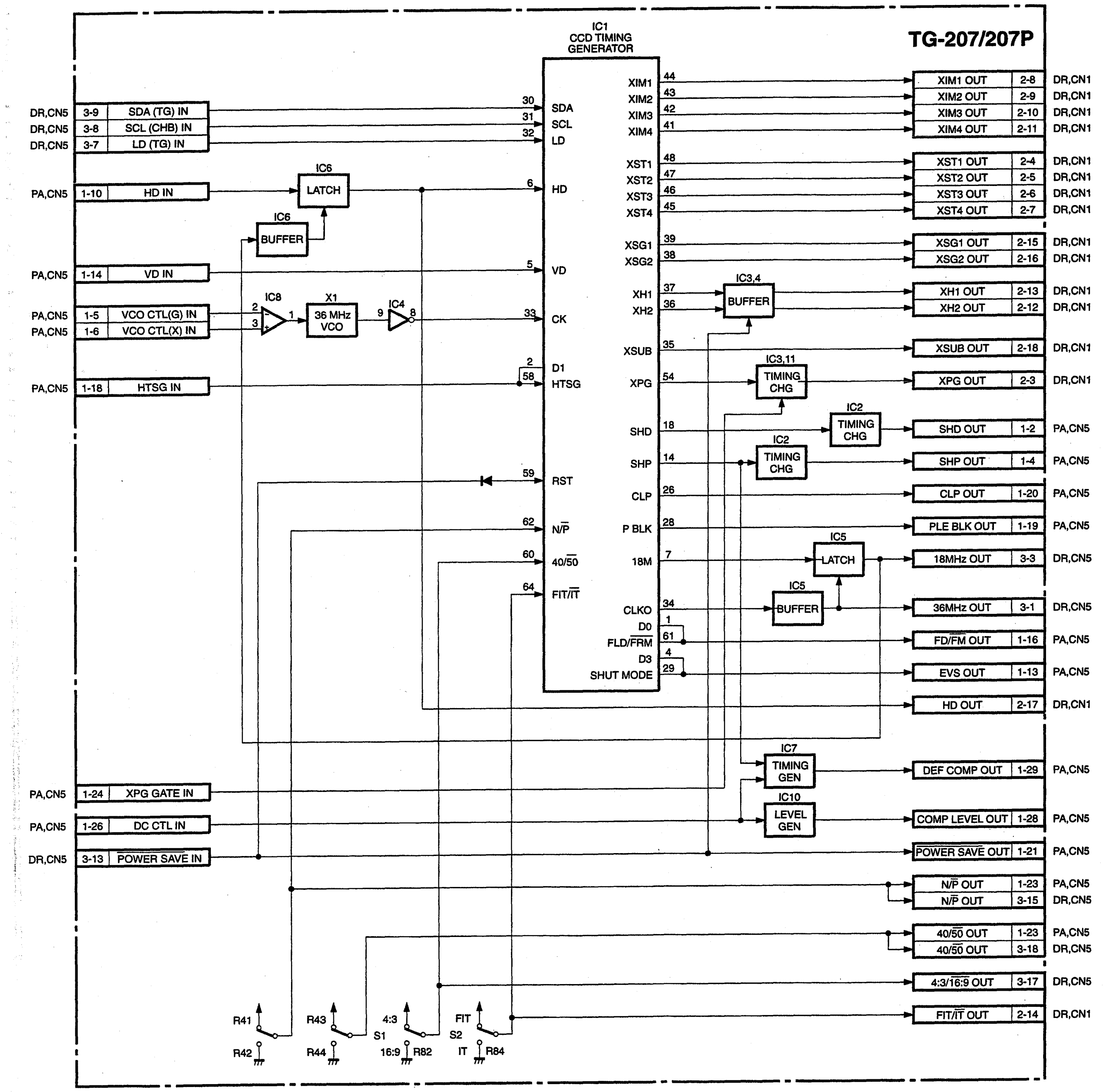
CCD DRIVER


DR-387
CN-1183
BC-31/32 (2/2)
TG,CN2 1-8 XV1 (XIM1) IN
TG,CN2 1-9 XV2 (XIM2) IN
TG,CN2 1-10 XV3 (XIM3) IN
TG,CN2 1-11 XV4 (XIM4) IN
TG,CN2 1-4 XST1 IN
TG,CN2 1-5 XST2 IN
TG,CN2 1-6 XST3 IN
TG,CN2 1-7 XST4 IN
DRIVE PULSE
IC3 V DRIVE
IC6 V DRIVE
IC4 V DRIVE
IC7 V DRIVE
IC5 V DRIVE
IC8 V DRIVE
V1 (IM1) (R) OUT 4-33
V2 (IM2) (R) OUT 4-27
V3 (IM3) (R) OUT 4-29
V4 (IM4) (R) OUT 4-31
ST1 (R) OUT 4-28
ST2 (R) OUT 4-39
ST3 (R) OUT 4-37
ST4 (R) OUT 4-35
V1 (IM1) (G) OUT 4-11
V2 (IM2) (G) OUT 4-5
V3 (IM3) (G) OUT 4-7
V4 (IM4) (G) OUT 4-9
ST1 (G) OUT 4-19
ST2 (G) OUT 4-17
ST3 (G) OUT 4-15
ST4 (G) OUT 4-13
V1 (IM1) (B) OUT 4-14
V2 (IM2) (B) OUT 4-20
V3 (IM3) (B) OUT 4-18
V4 (IM4) (B) OUT 4-16
ST1 (B) OUT 4-6
ST2 (B) OUT 4-8
ST3 (B) OUT 4-10
ST4 (B) OUT 4-12
TG,CN3 5-7 LD (TG) OUT
TG,CN3 5-9 SDA (TG) OUT
TG,CN3 5-8 SCL OUT
TG,CN3 5-3 14 MHz (18M) IN
TG,CN3 5-1 28 MHz (36M) IN
DCP,CN13 1-18 28 MHz (36M) 2-29
DCP,CN13 1-20 14 MHz (18M) 2-27
2-12
DCP,CN13 1-6 SDA (CHB) 2-20
DCP,CN13 1-7 SCL (CHB) 2-19
DCP,CN13 1-8 LD (TG/BC) 2-11
DCP,CN13 1-9 LD (DR) 2-16
6-29 28 MHz (36M) OUT
6-27 14 MHz (18M) OUT
6-12 SDA (TG) IN
6-20 SDA IN
6-19 SCL IN
6-11 LD (TG) IN
6-16 LD (DR) IN
TG,CN2 1-15 XSG1 IN
TG,CN2 1-16 XSG2 IN
TG,CN2 1-13 XH1 IN
TG,CN2 1-12 XH2 IN
TG,CN2 1-18 XSUB IN
TG,CN2 1-3 XPG IN
TG,CN2 1-17 HD IN
XH1 OUT 4-43
XH2 OUT 4-41
IC2 BUFFER
Q1,2 SHUTTER DRIVER
Q8-12 PG DRIVER
IC9 +30 V GEN
+15 V
SHUTT (+) OUT 4-34
SHUTT (-) OUT 4-32
PG OUT 4-36
IC17,18 DATA SEL
IC15,16 EEPROM
IC19 12ch D/A CONV.
IC13,14 DATA GATE
2-23 6-23 D OUT
2-24 6-24 D3 OUT
TO (2/2)
DP CTL
DP CTL (VA)
2-5 6-5 W.C.P OFF OUT
2-9 6-9 DP CTL OUT
2-6 6-6 BLM GAIN CTL OUT
2-22 6-22 DP CTL (VA) OUT
2-10 6-10 POWER SAVE OUT
TG,CN3 5-13 POWER SAVE OUT
TG,CN3 5-16 FD/FM OUT
TG,CN3 5-10 HTSG (S) OUT
TG,CN3 5-15 N/P IN
TG,CN3 5-17 4:3/16:9 IN
TG,CN3 5-18 40/50 IN
TG,CN2 1-14 FIT/IT IN
IC20 SERIAL PALALEL PORT
7-18 SDA
7-20 SCL
7-14 ROTSHUT EN IN
7-8 SERVO EN IN
7-7 SERVO OFF IN
7-19 ND CONT 0 OUT
7-17 ND CONT 1 OUT
7-13 CC CONT 0 OUT
7-11 CC CONT 1 OUT
IC1 SERIAL PALALEL PORT
IC10 DC SHIFT
TP1
TP2
TP3
V SUB (R) OUT 4-30
V SUB (G) OUT 4-21
V SUB (B) OUT 4-23
IC10 DC SET
IC11,R72-75 REGISTOR MATRIX
IC11,R76-79 REGISTOR MATRIX
ND FILT 1 IN 3-8
ND FILT 2 IN 3-6
ND FILT 3 IN 3-4
ND FILT 4 IN 3-2
CC FILT 1 IN 3-7
CC FILT 2 IN 3-5
CC FILT 3 IN 3-3
CC FILT 4 IN 3-1
FILTER UNIT
DCP,CN13 1-3 ND POSI 2-15 6-15 ND POSI OUT
DCP,CN13 1-4 CC POSI 2-13 6-13 CC POSI OUT
DCP,CN13 1-5 TEMP 2-21 6-21 TEMP OUT
TEMP IN 4-24
1-24 TEMP OUT
1-33 V1 (IM1) (R) IN
1-27 V2 (IM2) (R) IN
1-29 V3 (IM3) (R) IN
1-31 V4 (IM4) (R) IN
1-28 ST1 (R) IN
1-39 ST2 (R) IN
1-37 ST3 (R)IN
1-35 ST4 (R) IN
1-11 V1 (IM1) (G) IN
1-5 V2 (IM2) (G) IN
1-7 V3 (IM3) (G) IN
1-9 V4 (IM4) (G) IN
1-19 ST1 (G) IN
1-17 ST2 (G) IN
1-15 ST3 (G) IN
1-13 ST4 (G) IN
1-14 V1 (IM1) (B) IN
1-20 V2 (IM2) (B) IN
1-18 V3 (IM3) (B) IN
1-16 V4 (IM4) (B) IN
1-6 ST1 (B) OUT
1-8 ST2 (B) OUT
1-10 ST3 (B) OUT
1-12 ST4 (B) OUT
1-43 XH1 IN
1-41 XH2 IN
1-34 SHUTT (+) IN
1-32 SHUTT (-) IN
1-36 PG IN
1-30 V SUB (R) IN
1-21 V SUB (G) IN
1-23 V SUB (B) IN
R V DRIVER PULSE
G V DRIVER PULSE
B V DRIVER PULSE
IC2
IC1
V1 (IM1) (R) OUT 4-16
V2 (IM2) (R) OUT 4-19
V3 (IM3) (R) OUT 4-18
V4 (IM4) (R) OUT 4-17
ST1 (R) OUT 4-12
ST2 (R) OUT 4-13
ST3 (R) OUT 4-14
ST4 (R) OUT 4-15
H1 OUT 4-10
H2 OUT 4-9
PG OUT 4-6
SHUTT (+) OUT 4-7
SHUTT (-) OUT 4-8
V SUB R OUT 4-11
TEMP IN 4-20
BI-96 (R) ,CN1
V1 (IM1) (G) OUT 3-16
V2 (IM2) (G) OUT 3-19
V3 (IM3) (G) OUT 3-18
V4 (IM4) (G) OUT 3-17
ST1 (G) OUT 3-12
ST2 (G) OUT 3-13
ST3 (G) OUT 3-14
ST4 (G) OUT 3-15
H1 OUT 3-10
H2 OUT 3-9
PG OUT 3-6
SHUTT (+) OUT 3-7
SHUTT (-) OUT 3-8
V SUB G OUT 3-11
TEMP IN 3-20
BI-96 (G) ,CN1
V1 (IM1) (B) OUT 2-16
V2 (IM2) (B) OUT 2-19
V3 (IM3) (B) OUT 2-18
V4 (IM4) (B) OUT 2-17
ST1 (B) OUT 2-12
ST2 (B) OUT 2-13
ST3 (B) OUT 2-14
ST4 (B) OUT 2-15
H1 OUT 2-10
H2 OUT 2-9
PG OUT 2-6
SHUTT (+) OUT 2-7
SHUTT (-) OUT 2-8
V SUB B OUT 2-11
TEMP IN 2-20
BI-96 (B) ,CN1

CCD BLOCK (4/4)

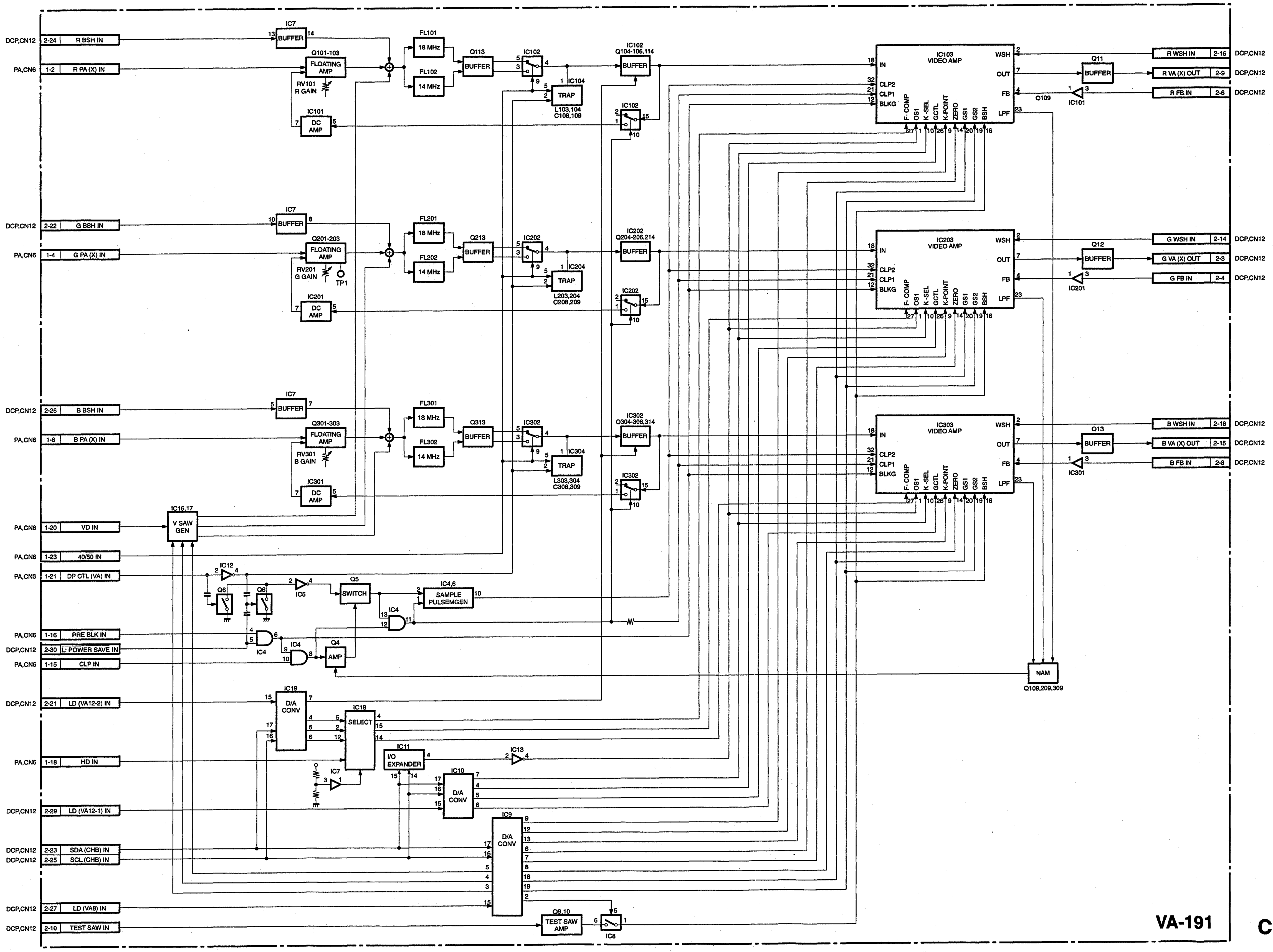
TIMING GENERATOR


TG-206/206P
IC1
CCD TIMING
GENERATOR
DR,CN5 3-9 SDA (TG) IN
DR,CN5 3-8 SCL (CHB) IN
DR,CN5 3-7 LD (TG) IN
PA,CN5 1-10 HD IN
PA,CN5 1-14 VD IN
PA,CN5 1-5 VCO CTL(G) IN
PA,CN5 1-6 VCO CTL(X) IN
PA,CN5 1-18 HTSG IN
DR,CN5 3-10 HTSG (G) IN
PA,CN5 1-13 FLD IN
PA,CN5 1-24 XPG GATE IN
DR,CN5 3-16 FD/FM IN
PA,CN5 1-26 DP CTL IN
DR,CN5 3-13 POWER SAVE IN
IC6 BUFFER
IC6 BUFFER
IC8
X1 28 MHz VCO
IC4
IC9
IC4
IC4
IC6
6 SDA
5 SCL
4 LD
59 HD
60 VD
64 CK
61 HTSG
13 FD/FM
14 P/N
XV1 31
XV3 33
XV2 30
XSG1 32
XSG2 34
XH1 26
XH2 27
XSUB 29
XPG 22
SHD 44
SHP 43
CLP 48
P BLK 52
14M 57
XCK 63
IC3-18 TIMING CHG
IC3,4 BUFFER
IC3,4 TIMING CHG
IC2 TIMING CHG
IC2 TIMING CHG
IC11,12 TIMING CHG
IC5 LATCH
IC5 BUFFER
IC7 TIMING GEN
IC10 LEVEL GEN
XV1 OUT 2-8 DR,CN1
XV3 OUT 2-10 DR,CN1
XV2 OUT 2-9 DR,CN1
XV4 OUT 2-11 DR,CN1
XSG1 OUT 2-15 DR,CN1
XSG2OUT 2-16 DR,CN1
XH1 OUT 2-13 DR,CN1
XH2 OUT 2-12 DR,CN1
XSUB OUT 2-18 DR,CN1
XPG OUT 2-3 DR,CN1
SHD OUT 1-2 PA,CN5
SHP OUT 1-4 PA,CN5
CLP OUT 1-20 PA,CN5
PLE BLK OUT 1-19 PA,CN5
14MHz OUT 3-3 DR,CN5
28MHz OUT 3-1 DR,CN5
HD OUT 2-17 DR,CN1
FD/FM OUT 1-16 PA,CN5
DEF COMP OUT 1-29 PA,CN5
COMP LEVEL OUT 1-28 PA,CN5
POWER SAVE OUT 1-21 PA,CN5
N/P OUT 1-23 PA,CN5
N/P OUT 3-15 DR,CN5
40/50 OUT 1-27 PA,CN5
40/50 OUT 3-18 DR,CN5
4:3/16:9 OUT 3-17 DR,CN5
FIT/IT OUT 2-14 DR,CN1
R41
R42
R43
R44
R45
R46
R11
R53


TG-207/207P
IC1
CCD TIMING
GENERATOR
DR,CN5 3-9 SDA (TG) IN
DR,CN5 3-8 SCL (CHB) IN
DR,CN5 3-7 LD (TG) IN
PA,CN5 1-10 HD IN
PA,CN5 1-14 VD IN
PA,CN5 1-5 VCO CTL(G) IN
PA,CN5 1-6 VCO CTL(X) IN
PA,CN5 1-18 HTSG IN
PA,CN5 1-24 XPG GATE IN
PA,CN5 1-26 DC CTL IN
DR,CN5 3-13 POWER SAVE IN
IC6 LATCH
IC6 BUFFER
IC8
X1 36 MHz VCO
IC4
30 SDA
31 SCL
32 LD
6 HD
5 VD
33 CK
2 D1
58 HTSG
59 RST
62 N/P
60 40/50
64 FIT/IT
XIM1 44
XIM2 43
XIM3 42
XIM4 41
XST1 48
XST2 47
XST3 46
XST4 45
XSG1 39
XSG2 38
XH1 37
XH2 36
XSUB 35
XPG 54
SHD 18
SHP 14
CLP 26
P BLK 28
18M 7
CLKO 34
D0 1
FLD/FRM 61
D3 4
SHUT MODE 29
IC3,4 BUFFER
IC3,11 TIMING CHG
IC2 TIMING CHG
IC2 TIMING CHG
IC5 LATCH
IC5 BUFFER
IC7 TIMING GEN
IC10 LEVEL GEN
XIM1 OUT 2-8 DR,CN1
XIM2 OUT 2-9 DR,CN1
XIM3 OUT 2-10 DR,CN1
XIM4 OUT 2-11 DR,CN1
XST1 OUT 2-4 DR,CN1
XST2 OUT 2-5 DR,CN1
XST3 OUT 2-6 DR,CN1
XST4 OUT 2-7 DR,CN1
XSG1 OUT 2-15 DR,CN1
XSG2 OUT 2-16 DR,CN1
XH1 OUT 2-13 DR,CN1
XH2 OUT 2-12 DR,CN1
XSUB OUT 2-18 DR,CN1
XPG OUT 2-3 DR,CN1
SHD OUT 1-2 PA,CN5
SHP OUT 1-4 PA,CN5
CLP OUT 1-20 PA,CN5
PLE BLK OUT 1-19 PA,CN5
18MHz OUT 3-3 DR,CN5
36MHz OUT 3-1 DR,CN5
FD/FM OUT 1-16 PA,CN5
EVS OUT 1-13 PA,CN5
HD OUT 2-17 DR,CN1
DEF COMP OUT 1-29 PA,CN5
COMP LEVEL OUT 1-28 PA,CN5
POWER SAVE OUT 1-21 PA,CN5
N/P OUT 1-23 PA,CN5
N/P OUT 3-15 DR,CN5
40/50 OUT 1-23 PA,CN5
40/50 OUT 3-18 DR,CN5
4:3/16:9 OUT 3-17 DR,CN5
FIT/IT OUT 2-14 DR,CN1
R41
R42
R43
R44
4:3
S1
16:9
R82
FIT
S2
IT
R84

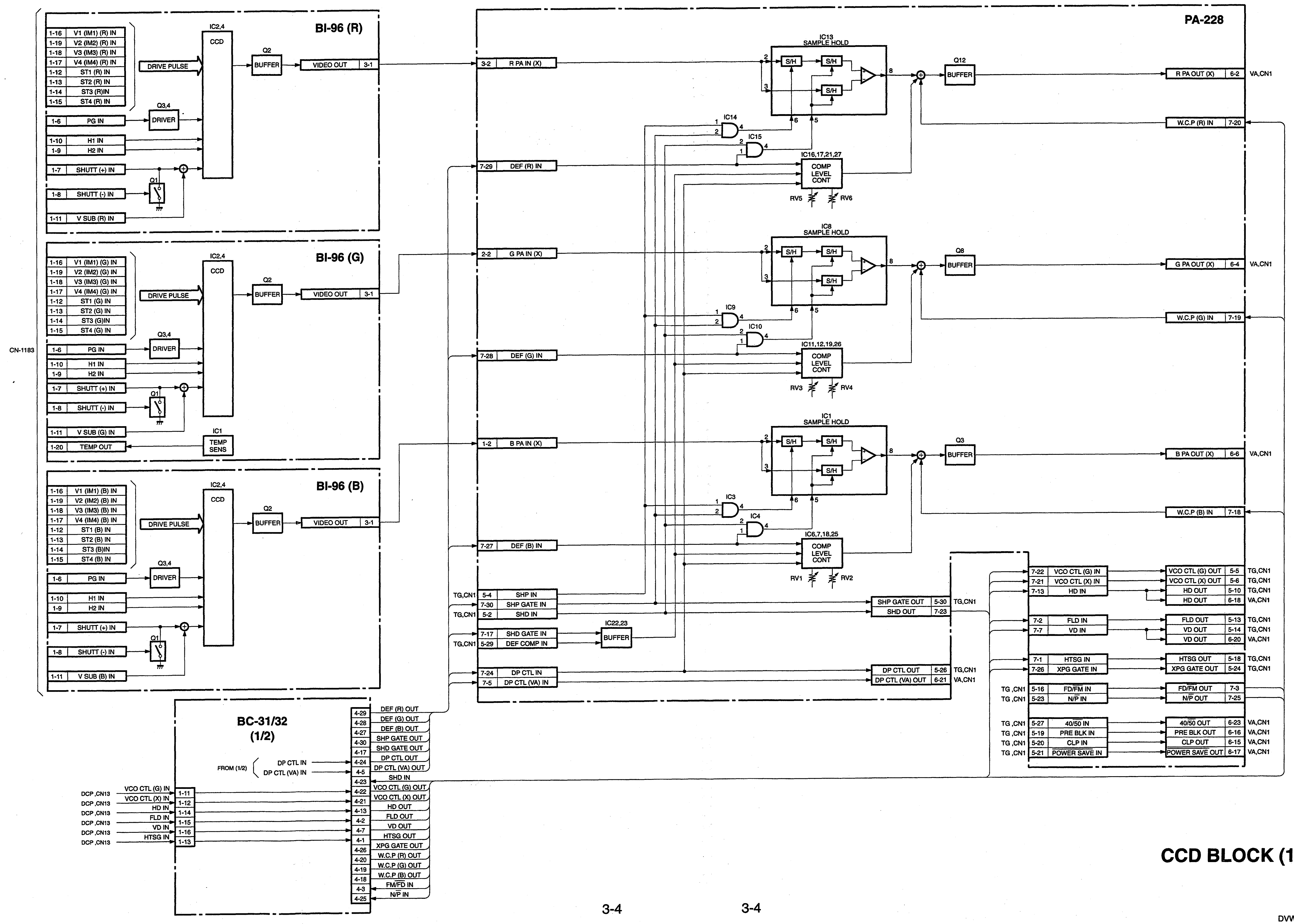
CCD BLOCK (3/4)

VIDEO AMP

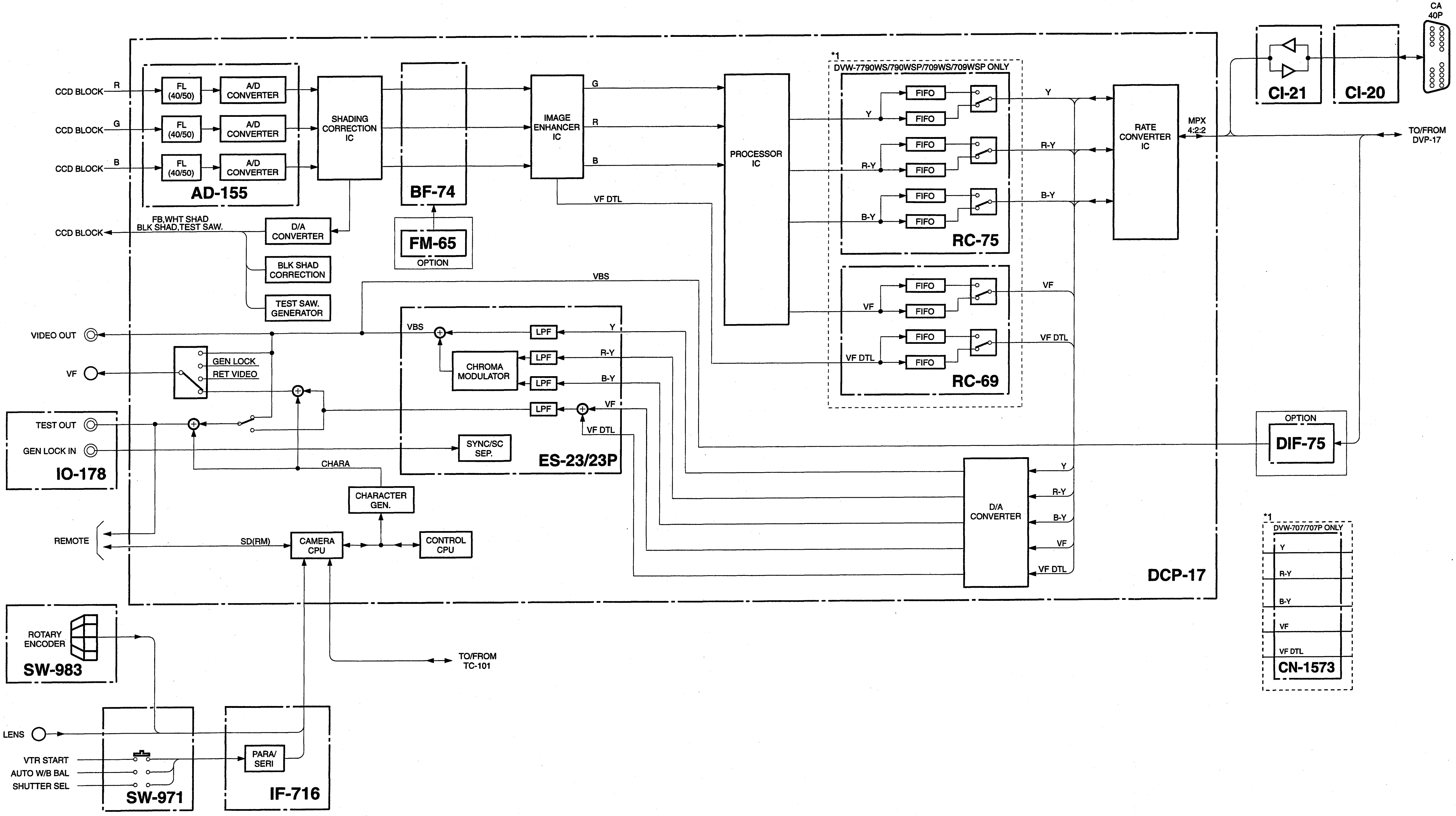

DCP,CN12 2-24 R BSH IN
PA,CN6 1-2 R PA (X) IN
DCP,CN12 2-22 G BSH IN
PA,CN6 1-4 G PA (X) IN
DCP,CN12 2-26 B BSH IN
PA,CN6 1-6 B PA (X) IN
PA,CN6 1-20 VD IN
PA,CN6 1-23 40/50 IN
PA,CN6 1-21 DP CTL (VA) IN
PA,CN6 1-16 PRE BLK IN
DCP,CN12 2-30 L: POWER SAVE IN
PA,CN6 1-15 CLP IN
DCP,CN12 2-21 LD (VA12-2) IN
PA,CN6 1-18 HD IN
DCP,CN12 2-29 LD (VA12-1) IN
DCP,CN12 2-23 SDA (CHB) IN
DCP,CN12 2-25 SCL (CHB) IN
DCP,CN12 2-27 LD (VA8) IN
DCP,CN12 2-10 TEST SAW IN
IC7 BUFFER
Q101-103 FLOATING AMP
RV101 R GAIN
IC101 DC AMP
FL101 18 MHz
FL102 14 MHz
Q113 BUFFER
IC102
IC104 TRAP
L103,104 C108,109
IC102 Q104-106,114 BUFFER
IC103 VIDEO AMP
IN CLP2 CLP1 BLKG
F- COMP OS1 K -SEL GCTL K-POINT ZERO GS1 GS2 BSH
WSH OUT FB LPF
Q11 BUFFER
Q109
IC101
R WSH IN 2-16 DCP,CN12
R VA (X) OUT 2-9 DCP,CN12
R FB IN 2-6 DCP,CN12
Q201-203 FLOATING AMP
RV201 G GAIN
TP1
IC201 DC AMP
FL201 18 MHz
FL202 14 MHz
Q213 BUFFER
IC202
IC204 TRAP
L203,204 C208,209
IC202 Q204-206,214 BUFFER
IC203 VIDEO AMP
Q12 BUFFER
IC201
G WSH IN 2-14 DCP,CN12
G VA (X) OUT 2-3 DCP,CN12
G FB IN 2-4 DCP,CN12
Q301-303 FLOATING AMP
RV301 B GAIN
IC301 DC AMP
FL301 18 MHz
FL302 14 MHz
Q313 BUFFER
IC302
IC304 TRAP
L303,304 C308,309
IC302 Q304-306,314 BUFFER
IC303 VIDEO AMP
Q13 BUFFER
IC301
B WSH IN 2-18 DCP,CN12
B VA (X) OUT 2-15 DCP,CN12
B FB IN 2-8 DCP,CN12
IC16,17 V SAW GEN
IC12
Q6
IC5
Q5 SWITCH
IC4,6 SAMPLE PULSEMGEN
IC4
Q4 AMP
NAM
Q109,209,309
IC19 D/A CONV
IC18 SELECT
IC11 I/O EXPANDER
IC13
IC7
IC10 D/A CONV
IC9 D/A CONV
Q9,10 TEST SAW AMP
IC8
VA-191

CCD BLOCK (2/4)

CCD IMAGER


BI-96 (R)
BI-96 (G)
BI-96 (B)
1-16 V1 (IM1) (R) IN
1-19 V2 (IM2) (R) IN
1-18 V3 (IM3) (R) IN
1-17 V4 (IM4) (R) IN
1-12 ST1 (R) IN
1-13 ST2 (R) IN
1-14 ST3 (R)IN
1-15 ST4 (R) IN
DRIVE PULSE
IC2,4
CCD
Q2
BUFFER
VIDEO OUT 3-1
Q3,4
DRIVER
1-6 PG IN
1-10 H1 IN
1-9 H2 IN
1-7 SHUTT (+) IN
1-8 SHUTT (-) IN
Q1
1-11 V SUB (R) IN
1-16 V1 (IM1) (G) IN
1-19 V2 (IM2) (G) IN
1-18 V3 (IM3) (G) IN
1-17 V4 (IM4) (G) IN
1-12 ST1 (G) IN
1-13 ST2 (G) IN
1-14 ST3 (G)IN
1-15 ST4 (G) IN
1-11 V SUB (G) IN
1-20 TEMP OUT
IC1
TEMP SENS
CN-1183
1-16 V1 (IM1) (B) IN
1-19 V2 (IM2) (B) IN
1-18 V3 (IM3) (B) IN
1-17 V4 (IM4) (B) IN
1-12 ST1 (B) IN
1-13 ST2 (B) IN
1-14 ST3 (B)IN
1-15 ST4 (B) IN
1-11 V SUB (B) IN
PA-228
3-2 R PA IN (X)
IC13
SAMPLE HOLD
S/H
IC14
IC15
IC16,17,21,27
COMP LEVEL CONT
RV5
RV6
Q12
BUFFER
R PA OUT (X) 6-2 VA,CN1
W.C.P (R) IN 7-20
7-29 DEF (R) IN
2-2 G PA IN (X)
IC8
SAMPLE HOLD
IC9
IC10
IC11,12,19,26
RV3
RV4
Q8
G PA OUT (X) 6-4 VA,CN1
W.C.P (G) IN 7-19
7-28 DEF (G) IN
1-2 B PA IN (X)
IC1
SAMPLE HOLD
IC3
IC4
IC6,7,18,25
RV1
RV2
Q3
B PA OUT (X) 6-6 VA,CN1
W.C.P (B) IN 7-18
7-27 DEF (B) IN
TG,CN1 5-4 SHP IN
7-30 SHP GATE IN
TG,CN1 5-2 SHD IN
7-17 SHD GATE IN
TG,CN1 5-29 DEF COMP IN
IC22,23
BUFFER
7-24 DP CTL IN
7-5 DP CTL (VA) IN
SHP GATE OUT 5-30 TG,CN1
SHD OUT 7-23
DP CTL OUT 5-26 TG,CN1
DP CTL (VA) OUT 6-21 VA,CN1
7-22 VCO CTL (G) IN
7-21 VCO CTL (X) IN
7-13 HD IN
VCO CTL (G) OUT 5-5 TG,CN1
VCO CTL (X) OUT 5-6 TG,CN1
HD OUT 5-10 TG,CN1
HD OUT 6-18 VA,CN1
7-2 FLD IN
7-7 VD IN
FLD OUT 5-13 TG,CN1
VD OUT 5-14 TG,CN1
VD OUT 6-20 VA,CN1
7-1 HTSG IN
7-26 XPG GATE IN
HTSG OUT 5-18 TG,CN1
XPG GATE OUT 5-24 TG,CN1
TG ,CN1 5-16 FD/FM IN
TG ,CN1 5-23 N/P IN
FD/FM OUT 7-3
N/P OUT 7-25
TG ,CN1 5-27 40/50 IN
TG ,CN1 5-19 PRE BLK IN
TG ,CN1 5-20 CLP IN
TG ,CN1 5-21 POWER SAVE IN
40/50 OUT 6-23 VA,CN1
PRE BLK OUT 6-16 VA,CN1
CLP OUT 6-15 VA,CN1
POWER SAVE OUT 6-17 VA,CN1
BC-31/32 (1/2)
FROM (1/2)
DP CTL IN
DP CTL (VA) IN
DCP ,CN13 VCO CTL (G) IN 1-11
DCP ,CN13 VCO CTL (X) IN 1-12
DCP ,CN13 HD IN 1-14
DCP ,CN13 FLD IN 1-15
DCP ,CN13 VD IN 1-16
DCP ,CN13 HTSG IN 1-13
4-29 DEF (R) OUT
4-28 DEF (G) OUT
4-27 DEF (B) OUT
4-30 SHP GATE OUT
4-17 SHD GATE OUT
4-24 DP CTL OUT
4-5 DP CTL (VA) OUT
4-23 SHD IN
4-22 VCO CTL (G) OUT
4-21 VCO CTL (X) OUT
4-13 HD OUT
4-2 FLD OUT
4-7 VD OUT
4-1 HTSG OUT
4-26 XPG GATE OUT
4-20 W.C.P (R) OUT
4-19 W.C.P (G) OUT
4-18 W.C.P (B) OUT
4-3 FM/FD IN
4-25 N/P IN

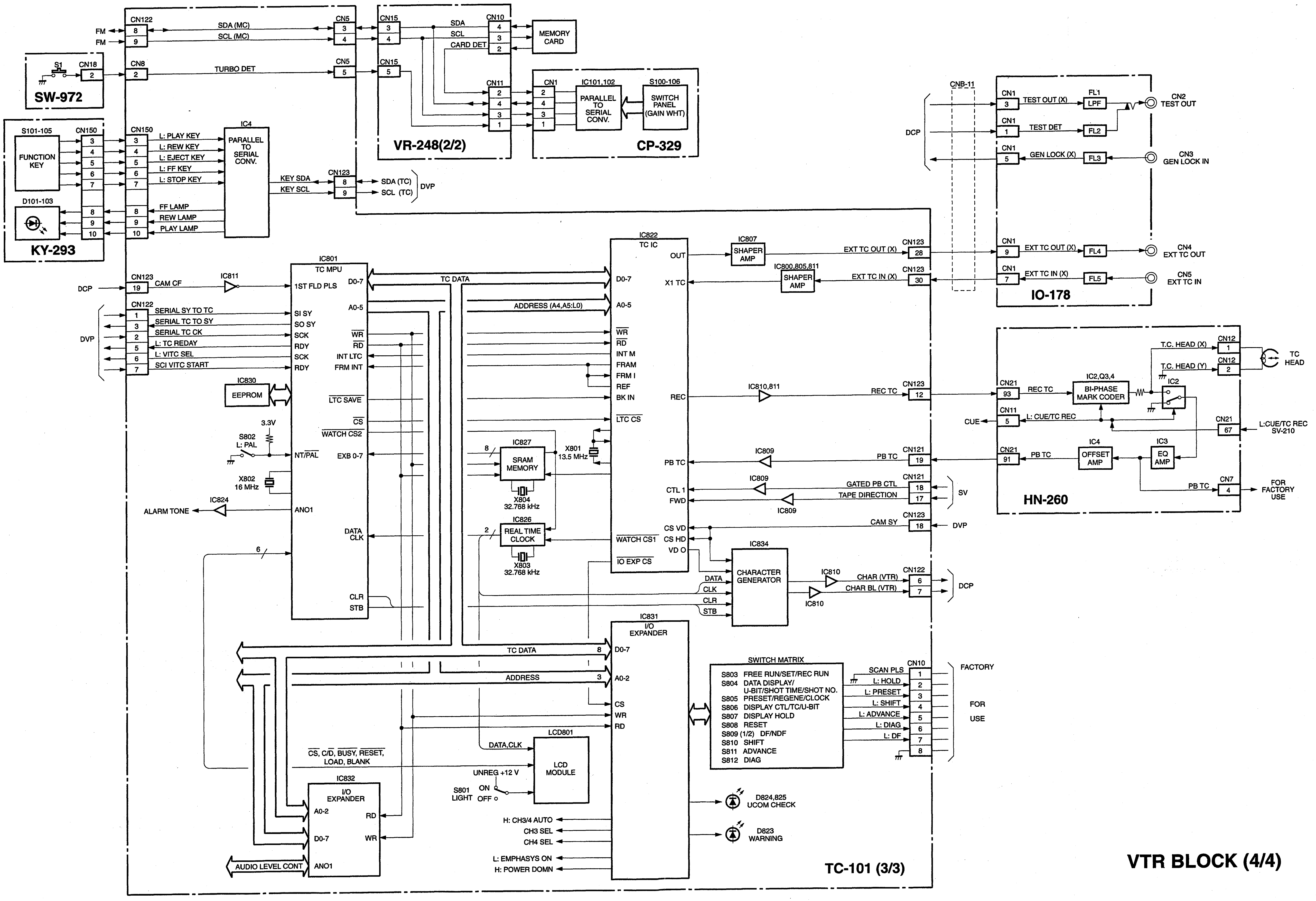
CCD BLOCK (1/4)


CCD BLOCK
R
G
B
FL (40/50)
A/D CONVERTER
AD-155
SHADING CORRECTION IC
BF-74
FM-65
OPTION
IMAGE ENHANCER IC
VF DTL
PROCESSOR IC
*1
DVW-7790WS/790WSP/709WS/709WSP ONLY
FIFO
Y
R-Y
B-Y
RC-75
VF
RC-69
RATE CONVERTER IC
MPX 4:2:2
CI-21
CI-20
CA 40P
TO/FROM DVP-17
FB,WHT SHAD
BLK SHAD,TEST SAW.
D/A CONVERTER
BLK SHAD CORRECTION
TEST SAW. GENERATOR
VBS
VIDEO OUT
VF
GEN LOCK
RET VIDEO
TEST OUT
GEN LOCK IN
IO-178
LPF
CHROMA MODULATOR
SYNC/SC SEP.
ES-23/23P
CHARA
CHARACTER GEN.
OPTION
DIF-75
REMOTE
SD(RM)
CAMERA CPU
CONTROL CPU
D/A CONVERTER
DCP-17
*1
DVW-707/707P ONLY
CN-1573
ROTARY ENCODER
SW-983
TO/FROM TC-101
LENS
VTR START
AUTO W/B BAL
SHUTTER SEL
SW-971
PARA/ SERI
IF-716

CAMERA BLOCK Overall

CP-329, HN-260, IO-178, KY-293, SW-972, TC-101 (3/3) , VR-248 (2/2) Block Diagram

TIME CODE GENERATOR


FM
FM
CN122
SDA (MC)
SCL (MC)
CN5
CN15
SDA
SCL
CARD DET
CN10
MEMORY CARD
S1
CN18
SW-972
CN8
TURBO DET
CN11
CN1
IC101,102
PARALLEL TO SERIAL CONV.
S100-106
SWITCH PANEL (GAIN WHT)
VR-248(2/2)
CP-329
S101-105
CN150
FUNCTION KEY
L: PLAY KEY
L: REW KEY
L: EJECT KEY
L: FF KEY
L: STOP KEY
IC4
PARALLEL TO SERIAL CONV.
KEY SDA
KEY SCL
CN123
SDA (TC)
SCL (TC)
DVP
D101-103
FF LAMP
REW LAMP
PLAY LAMP
KY-293
CNB-11
DCP
TEST OUT (X)
FL1
LPF
CN2 TEST OUT
TEST DET
FL2
GEN LOCK (X)
FL3
CN3 GEN LOCK IN
EXT TC OUT (X)
FL4
CN4 EXT TC OUT
EXT TC IN (X)
FL5
CN5 EXT TC IN
IO-178
IC822
TC IC
OUT
X1 TC
IC807
SHAPER AMP
IC800,805,811
SHAPER AMP
EXT TC OUT (X)
EXT TC IN (X)
IC801
TC MPU
CN123
CAM CF
IC811
1ST FLD PLS
D0-7
TC DATA
A0-5
ADDRESS (A4,A5:L0)
SERIAL SY TO TC
SERIAL TC TO SY
SERIAL TC CK
L: TC REDAY
L: VITC SEL
SCI VITC START
SI SY
SO SY
SCK
RDY
SCK
RDY
WR
RD
INT LTC
FRM INT
INT M
FRAM
FRM I
REF
BK IN
REC
IC810,811
REC TC
IC830
EEPROM
LTC SAVE
CS
WATCH CS2
LTC CS
3.3V
S802 L: PAL
NT/PAL
EXB 0-7
IC827
SRAM MEMORY
X801 13.5 MHz
X802 16 MHz
X804 32.768 kHz
PB TC
IC809
CTL 1
FWD
GATED PB CTL
TAPE DIRECTION
SV
IC824
ALARM TONE
ANO1
IC826
REAL TIME CLOCK
DATA CLK
WATCH CS1
IO EXP CS
CS VD
CS HD
VD O
CAM SY
X803 32.768 kHz
IC834
CHARACTER GENERATOR
DATA
CLK
CLR
STB
IC810
CHAR (VTR)
CHAR BL (VTR)
CLR
STB
IC831
I/O EXPANDER
TC DATA
ADDRESS
D0-7
A0-2
CS
WR
RD
SWITCH MATRIX
S803 FREE RUN/SET/REC RUN
S804 DATA DISPLAY/ U-BIT/SHOT TIME/SHOT NO.
S805 PRESET/REGENE/CLOCK
S806 DISPLAY CTL/TC/U-BIT
S807 DISPLAY HOLD
S808 RESET
S809 (1/2) DF/NDF
S810 SHIFT
S811 ADVANCE
S812 DIAG
CN10
SCAN PLS
L: HOLD
L: PRESET
L: SHIFT
L: ADVANCE
L: DIAG
L: DF
FACTORY FOR USE
DATA,CLK
LCD801
LCD MODULE
CS, C/D, BUSY, RESET, LOAD, BLANK
UNREG +12 V
S801 LIGHT
ON
OFF
IC832
I/O EXPANDER
A0-2
D0-7
RD
WR
AUDIO LEVEL CONT
ANO1
H: CH3/4 AUTO
CH3 SEL
CH4 SEL
L: EMPHASYS ON
H: POWER DOMN
D824,825 UCOM CHECK
D823 WARNING
TC-101 (3/3)
CN12
T.C. HEAD (X)
T.C. HEAD (Y)
TC HEAD
CN21
REC TC
IC2,Q3,4
BI-PHASE MARK CODER
IC2
CN11
L: CUE/TC REC
CUE
L:CUE/TC REC SV-210
IC4
OFFSET AMP
IC3
EQ AMP
PB TC
CN7
FOR FACTORY USE
HN-260

VTR BLOCK (4/4)

3-15

Section 4
Schematic Diagrams

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S. SE-275 4-115
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VR-248 4-129
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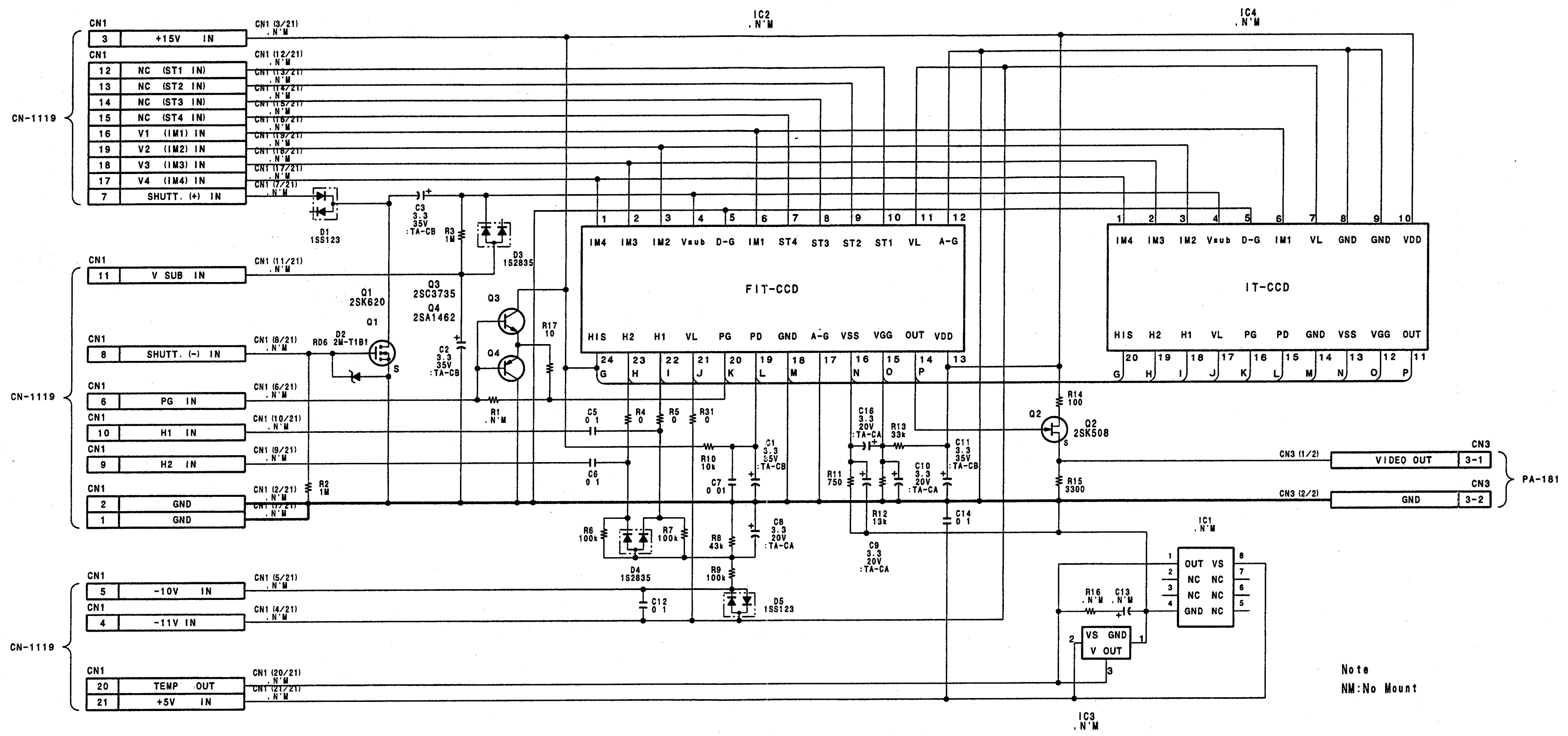
*1 : For DVW-707/707P
*2 : For DVW-790WS/790WSP/709WS/709WSP
*3 : Dedicated optional board for DVW-790WS/790WSP/709WS/709WSP

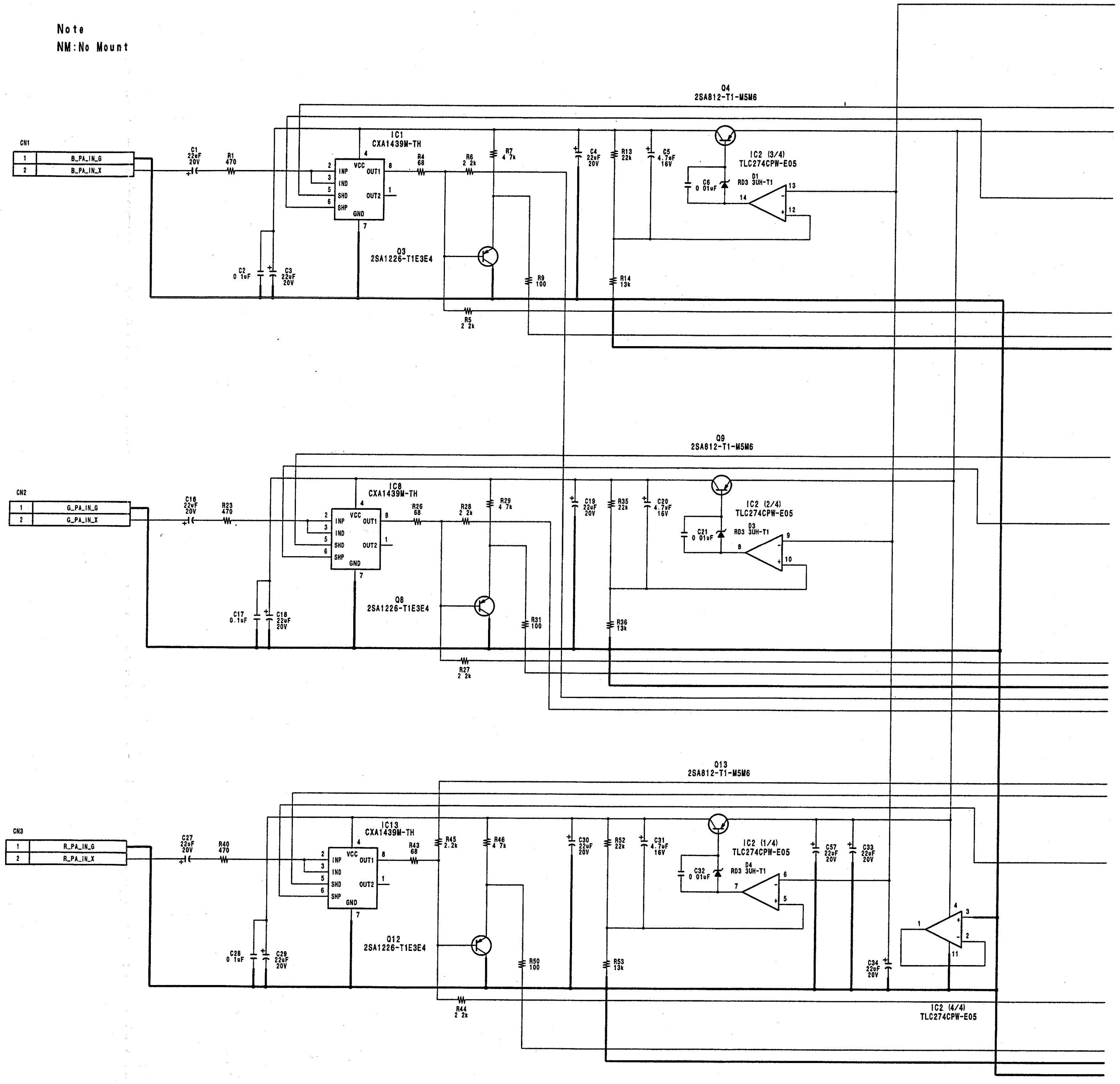

CN-1119
CN1
3 +15V IN
12 NC (ST1 IN)
13 NC (ST2 IN)
14 NC (ST3 IN)
15 NC (ST4 IN)
16 V1 (IM1) IN
19 V2 (IM2) IN
18 V3 (IM3) IN
17 V4 (IM4) IN
7 SHUTT. (+) IN
11 V SUB IN
8 SHUTT. (-) IN
6 PG IN
10 H1 IN
9 H2 IN
2 GND
1 GND
5 -10V IN
4 -11V IN
20 TEMP OUT
21 +5V IN
CN1 (3/21) .N'M
CN1 (12/21) .N'M
CN1 (13/21) .N'M
CN1 (14/21) .N'M
CN1 (15/21) .N'M
CN1 (16/21) .N'M
CN1 (19/21) .N'M
CN1 (18/21) .N'M
CN1 (17/21) .N'M
CN1 (7/21) .N'M
CN1 (11/21) .N'M
CN1 (8/21) .N'M
CN1 (6/21) .N'M
CN1 (10/21) .N'M
CN1 (9/21) .N'M
CN1 (2/21) .N'M
CN1 (1/21) .N'M
CN1 (5/21) .N'M
CN1 (4/21) .N'M
CN1 (20/21) .N'M
CN1 (21/21) .N'M
D1 1SS123
C3 3.3 35V :TA-CB
R3 1M
D3 1S2835
Q1 2SK620
Q1
S
RD6
D2 2M-T1B1
Q3 2SC3735
Q4 2SA1462
Q3
Q4
C2 3.3 35V :TA-CB
R17 10
R1 .N'M
R2 1M
IC2 .N'M
FIT-CCD
IM4 IM3 IM2 Vsub D-G IM1 ST4 ST3 ST2 ST1 VL A-G
1 2 3 4 5 6 7 8 9 10 11 12
HIS H2 H1 VL PG PD GND A-G VSS VGG OUT VDD
24 G 23 H 22 I 21 J 20 K 19 L 18 M 17 16 N 15 O 14 P 13
IC4 .N'M
IT-CCD
IM4 IM3 IM2 Vsub D-G IM1 VL GND GND VDD
1 2 3 4 5 6 7 8 9 10
HIS H2 H1 VL PG PD GND VSS VGG OUT
20 G 19 H 18 I 17 J 16 K 15 L 14 M 13 N 12 O 11 P
C5 0 1
C6 0 1
R4 0
R5 0
R31 0
R10 10k
C1 3.3 35V :TA-CB
C7 0 01
R6 100k
R7 100k
D4 1S2835
R8 43k
C8 3.3 20V :TA-CA
R9 100k
C12 0 1
D5 1SS123
C16 3.3 20V :TA-CA
R13 33k
R11 750
C10 3.3 20V :TA-CA
C11 3.3 35V :TA-CB
R12 13k
C9 3.3 20V :TA-CA
C14 0 1
R14 100
Q2
Q2 2SK508
S
R15 3300
CN3 (1/2)
CN3 (2/2)
CN3
VIDEO OUT 3-1
GND 3-2
PA-181
IC1 .N'M
OUT VS
NC NC
NC NC
GND NC
1 2 3 4 5 6 7 8
R16 .N'M
C13 .N'M
VS GND
V OUT
IC3 .N'M

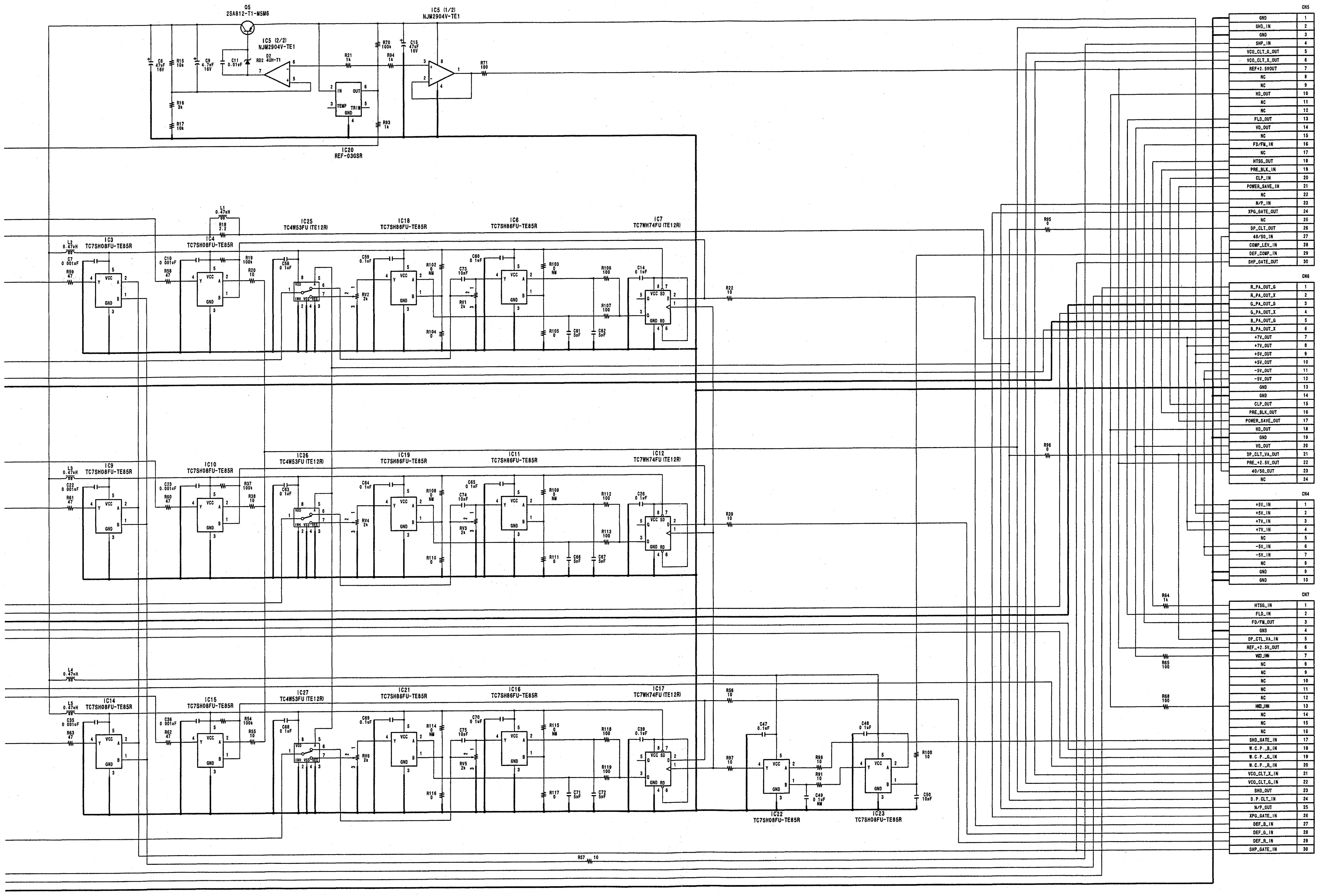
Note
NM:No Mount

BI-96 (R)/ 96 (G)/ 96 (B)

LOT NO. 810-

Note
NM:No Mount


CN1
1
B_PA_IN_G
2
B_PA_IN_X
C1
22uF
20V
R1
470
IC1
CXA1439M-TH
4
2
INP
VCC
OUT1
8
3
IND
5
SHD
OUT2
1
6
SHP
GND
7
R4
68
R6
2 2k
R7
4 7k
C4
22uF
20V
R13
22k
C5
4.7uF
16V
Q4
2SA812-T1-M5M6
IC2 (3/4)
TLC274CPW-E05
C6
0 01uF
D1
RD3 3UH-T1
13
14
12
C2
0 1uF
C3
22uF
20V
Q3
2SA1226-T1E3E4
R9
100
R14
13k
R5
2 2k
CN2
1
G_PA_IN_G
2
G_PA_IN_X
C16
22uF
20V
R23
470
IC8
CXA1439M-TH
R26
68
R28
2 2k
R29
4 7k
C19
22uF
20V
R35
22k
C20
4.7uF
16V
Q9
2SA812-T1-M5M6
IC2 (2/4)
TLC274CPW-E05
C21
0 01uF
D3
RD3 3UH-T1
9
8
10
C17
0.1uF
C18
22uF
20V
Q8
2SA1226-T1E3E4
R31
100
R36
13k
R27
2 2k
CN3
1
R_PA_IN_G
2
R_PA_IN_X
C27
22uF
20V
R40
470
IC13
CXA1439M-TH
R43
68
R45
2.2k
R46
4 7k
C30
22uF
20V
R52
22k
C31
4.7uF
16V
Q13
2SA812-T1-M5M6
IC2 (1/4)
TLC274CPW-E05
C32
0 01uF
D4
RD3 3UH-T1
6
7
5
C57
22uF
20V
C33
22uF
20V
C34
22uF
20V
C28
0 1uF
C29
22uF
20V
Q12
2SA1226-T1E3E4
R50
100
R53
13k
R44
2 2k
IC2 (4/4)
TLC274CPW-E05
1
2
3
4
11


Q5
2SA812-T1-M5M6
IC5 (2/2)
NJM2904V-TE1
IC5 (1/2)
NJM2904V-TE1
C8 47uF 16V
R15 10k
C9 4.7uF 16V
C11 0.01uF
D2 RD2 4UH-T1
R16 3k
R17 10k
R21 1k
R70 100k
R94 1k
C15 47uF 16V
R93 1k
R71 100
IN
OUT
TEMP
TRIM
GND
IC20
REF-03GSR
L1 0.47uH
R18 2.2
L2 0.47uH
IC3
TC7SH08FU-TE85R
C7 0.001uF
R59 47
IC4
TC7SH08FU-TE85R
C10 0.001uF
R58 47
R19 100k
R20 10
IC25
TC4W53FU (TE12R)
C58 0.1uF
VDD
INH
VSS
VEE
RV2 2k
IC18
TC7SH86FU-TE85R
C59 0.1uF
R102 0 NM
R104 0
C73 10pF
RV1 2k
IC6
TC7SH86FU-TE85R
C60 0.1uF
R103 0 NM
R105 0
C61 5pF
C62 5pF
R106 100
R107 100
IC7
TC7WH74FU (TE12R)
C14 0.1uF
VCC
SD
GND
RD
R22 10
R95 0
L3 0.47uH
IC9
TC7SH08FU-TE85R
C22 0.001uF
R61 47
IC10
TC7SH08FU-TE85R
C23 0.001uF
R60 47
R37 100k
R38 10
IC26
TC4W53FU (TE12R)
C63 0.1uF
RV4 2k
IC19
TC7SH86FU-TE85R
C64 0.1uF
R108 0 NM
R110 0
C74 10pF
RV3 2k
IC11
TC7SH86FU-TE85R
C65 0.1uF
R109 0 NM
R111 0
C66 5pF
C67 5pF
R112 100
R113 100
IC12
TC7WH74FU (TE12R)
C26 0.1uF
R39 10
R96 0
R64 1k
L4 0.47uH
L5 0.47uH
IC14
TC7SH08FU-TE85R
C35 0.001uF
R63 47
IC15
TC7SH08FU-TE85R
C36 0.001uF
R62 47
R54 100k
R55 10
IC27
TC4W53FU (TE12R)
C68 0.1uF
RV6 2k
IC21
TC7SH86FU-TE85R
C69 0.1uF
R114 0 NM
R116 0
C75 10pF
RV5 2k
IC16
TC7SH86FU-TE85R
C70 0.1uF
R115 0 NM
R117 0
C71 5pF
C72 5pF
R118 100
R119 100
IC17
TC7WH74FU (TE12R)
C39 0.1uF
R56 10
R97 10
C47 0.1uF
IC22
TC7SH08FU-TE85R
R99 10
R91 10
C49 0.1uF NM
C48 0.1uF
IC23
TC7SH08FU-TE85R
R100 10
C50 10pF
R57 10
R65 100
R68 100
CN5
GND 1
SHD_IN 2
GND 3
SHP_IN 4
VCO_CLT_G_OUT 5
VCO_CLT_X_OUT 6
REF+2.5VOUT 7
NC 8
NC 9
HD_OUT 10
NC 11
NC 12
FLD_OUT 13
VD_OUT 14
NC 15
FD/FM_IN 16
NC 17
HTSG_OUT 18
PRE_BLK_IN 19
CLP_IN 20
POWER_SAVE_IN 21
NC 22
N/P_IN 23
XPG_GATE_OUT 24
NC 25
DP_CLT_OUT 26
40/50_IN 27
COMP_LEV_IN 28
DEF_COMP_IN 29
SHP_GATE_OUT 30
CN6
R_PA_OUT_G 1
R_PA_OUT_X 2
G_PA_OUT_G 3
G_PA_OUT_X 4
B_PA_OUT_G 5
B_PA_OUT_X 6
+7V_OUT 7
+7V_OUT 8
+5V_OUT 9
+5V_OUT 10
-5V_OUT 11
-5V_OUT 12
GND 13
GND 14
CLP_OUT 15
PRE_BLK_OUT 16
POWER_SAVE_OUT 17
HD_OUT 18
GND 19
VD_OUT 20
DP_CLT_VA_OUT 21
PRE_+2.5V_OUT 22
40/50_OUT 23
NC 24
CN4
+5V_IN 1
+5V_IN 2
+7V_IN 3
+7V_IN 4
NC 5
-5V_IN 6
-5V_IN 7
NC 8
GND 9
GND 10
CN7
HTSG_IN 1
FLD_IN 2
FD/FM_OUT 3
GND 4
DP_CTL_VA_IN 5
REF_+2.5V_OUT 6
VD_IN 7
NC 8
NC 9
NC 10
NC 11
NC 12
HD_IN 13
NC 14
NC 15
NC 16
SHD_GATE_IN 17
W.C.P._B_IN 18
W.C.P._G_IN 19
W.C.P._R_IN 20
VCO_CLT_X_IN 21
VCO_CLT_G_IN 22
SHD_OUT 23
D.P.CLT_IN 24
N/P_OUT 25
XPG_GATE_IN 26
DEF_B_IN 27
DEF_G_IN 28
DEF_R_IN 29
SHP_GATE_IN 30

1

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2

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3

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4

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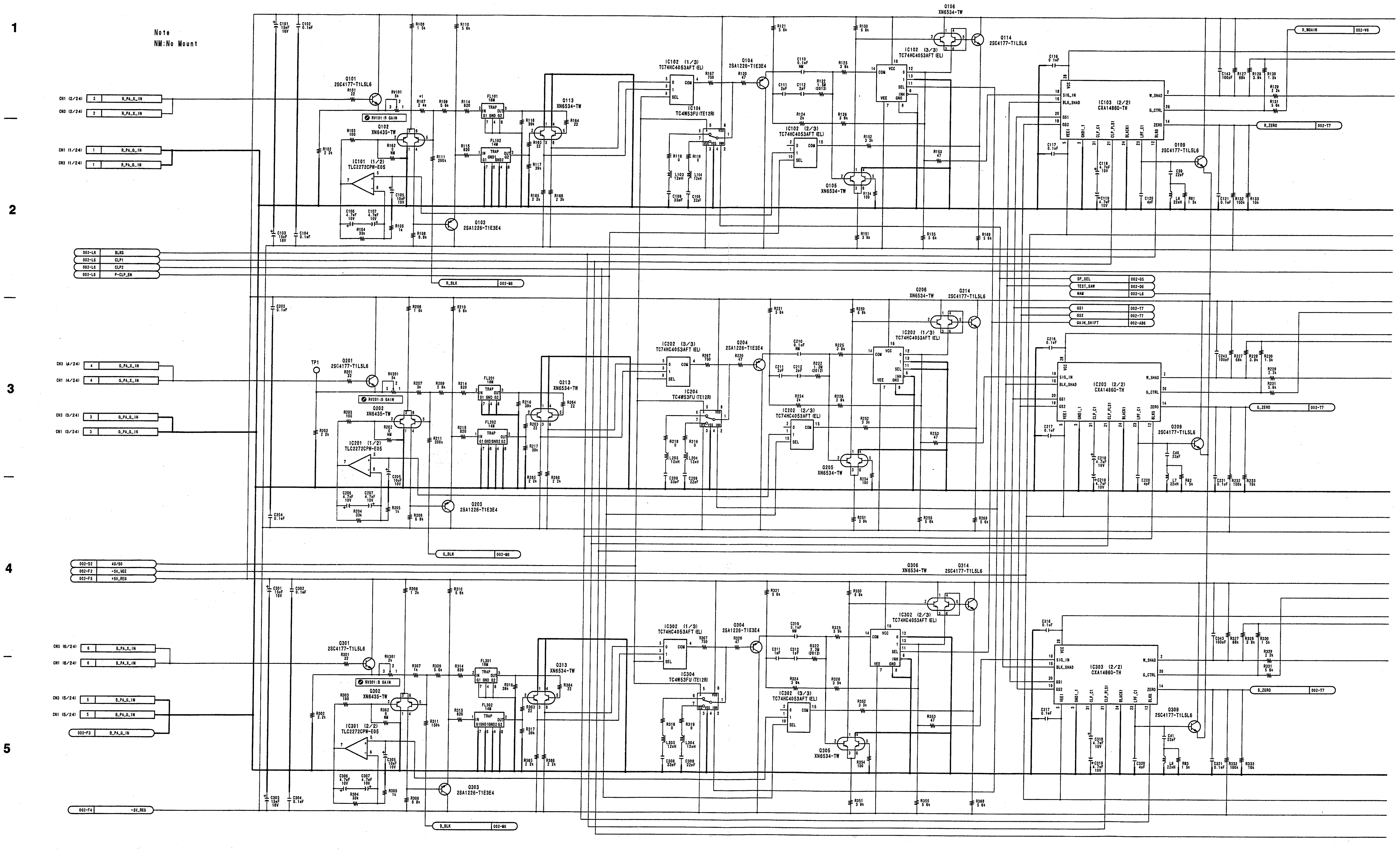
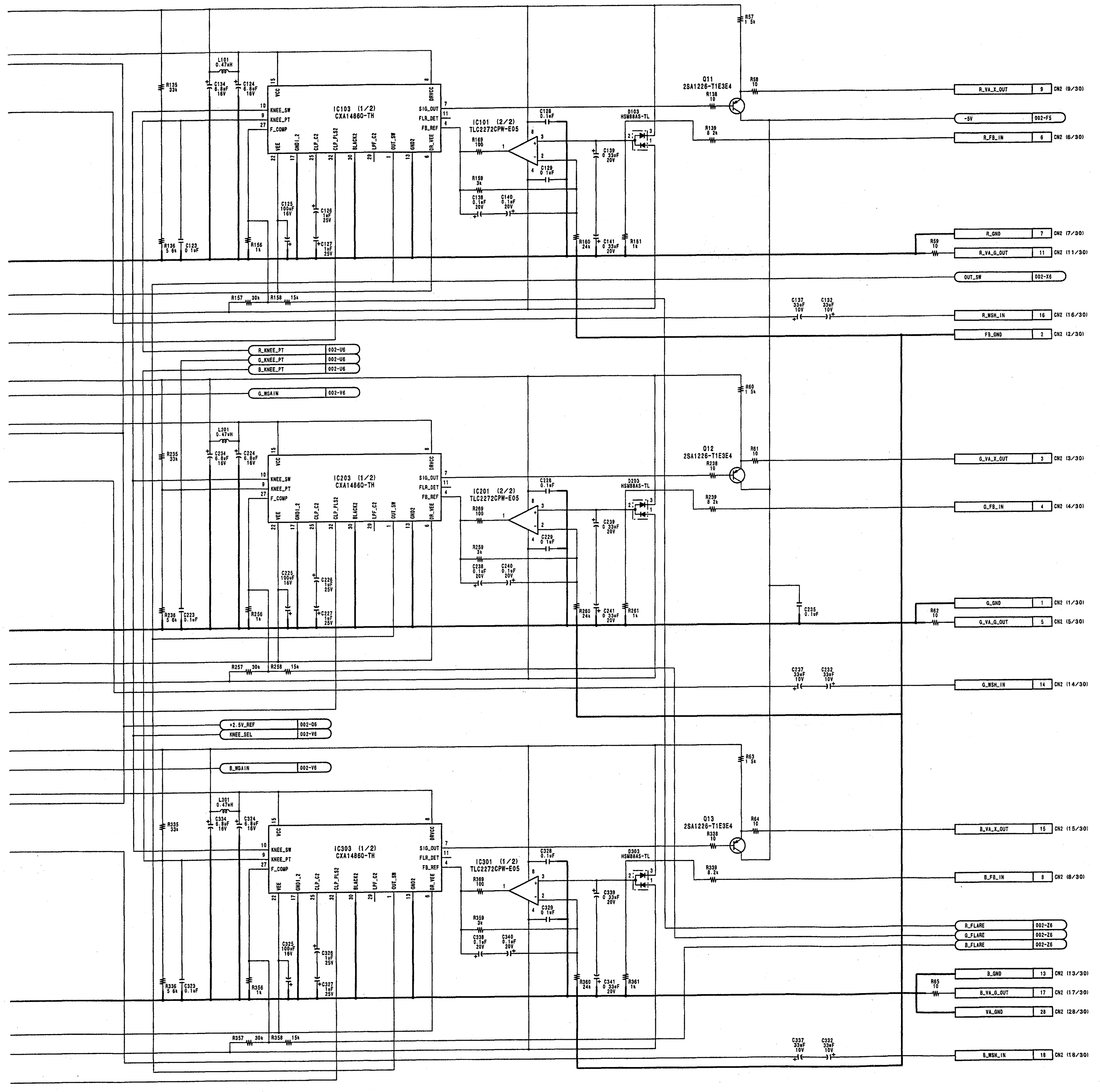
5

PA-228
LOT NO. 810-


Note
NM:No Mount
1
2
3
4
5
A
B
C
D
E
F
G
H
CN1 (2/24) 2 R_PA_X_IN
CN3 (2/24) 2 R_PA_X_IN
CN1 (1/24) 1 R_PA_G_IN
CN3 (1/24) 1 R_PA_G_IN
002-L6 BLKG
002-L6 CLP1
002-L6 CLP2
002-L6 P-CLP_EN
CN3 (4/24) 4 G_PA_X_IN
CN1 (4/24) 4 G_PA_X_IN
CN3 (3/24) 3 G_PA_G_IN
CN1 (3/24) 3 G_PA_G_IN
002-S2 4S/50
002-F2 -5V_VEE
002-F5 +5V_REG
CN3 (6/24) 6 B_PA_X_IN
CN1 (6/24) 6 B_PA_X_IN
CN3 (5/24) 5 B_PA_G_IN
CN1 (5/24) 5 B_PA_G_IN
002-F3 B_PA_G_IN
002-F4 -5V_REG
Q101 2SC4177-T1L5L6
Q102 XN6435-TW
Q103 2SA1226-T1E3E4
IC101 (1/2) TLC2272CPW-E05
RV101:R GAIN
FL101 TRAP
FL102 TRAP
Q113 XN6534-TW
IC102 (1/3) TC74HC4053AFT (EL)
IC104 TC4W53FU (TE12R)
Q104 2SA1226-T1E3E4
IC102 (2/3) TC74HC4053AFT (EL)
IC102 (3/3) TC74HC4053AFT (EL)
Q105 XN6534-TW
Q106 XN6534-TW
Q114 2SC4177-T1L5L6
IC103 (2/2) CXA1486Q-TH
Q109 2SC4177-T1L5L6
R_BLK 002-W6
R_WGAIN 002-W6
R_ZERO 002-T7
Q201 2SC4177-T1L5L6
Q202 XN6435-TW
Q203 2SA1226-T1E3E4
IC201 (1/2) TLC2272CPW-E05
RV201:G GAIN
TP1
FL201 TRAP
FL202 TRAP
Q213 XN6534-TW
IC202 (3/3) TC74HC4053AFT (EL)
IC204 TC4W53FU (TE12R)
Q204 2SA1226-T1E3E4
IC202 (1/3) TC74HC4053AFT (EL)
IC202 (2/3) TC74HC4053AFT (EL)
Q205 XN6534-TW
Q206 XN6534-TW
Q214 2SC4177-T1L5L6
IC203 (2/2) CXA1486Q-TH
Q209 2SC4177-T1L5L6
G_BLK 002-W6
G_ZERO 002-T7
DP_SEL 002-S5
TEST_SAW 002-S6
NAM 002-L6
GS1 002-T7
GS2 002-T7
GAIN_SHIFT 002-AB6
Q301 2SC4177-T1L5L6
Q302 XN6435-TW
Q303 2SA1226-T1E3E4
IC301 (2/2) TLC2272CPW-E05
RV301:B GAIN
FL301 TRAP
FL302 TRAP
Q313 XN6534-TW
IC302 (1/3) TC74HC4053AFT (EL)
IC304 TC4W53FU (TE12R)
Q304 2SA1226-T1E3E4
IC302 (3/3) TC74HC4053AFT (EL)
IC302 (2/3) TC74HC4053AFT (EL)
Q305 XN6534-TW
Q306 XN6534-TW
Q314 2SC4177-T1L5L6
IC303 (2/2) CXA1486Q-TH
Q309 2SC4177-T1L5L6
B_BLK 002-W6
B_ZERO 002-T7
SIG_IN
BLK_SHAD
GS1
GS2
W_SHAD
G_CTRL
ZERO
VCC
VEE
COM
SEL
INH
GND

VA-191 (1/2)

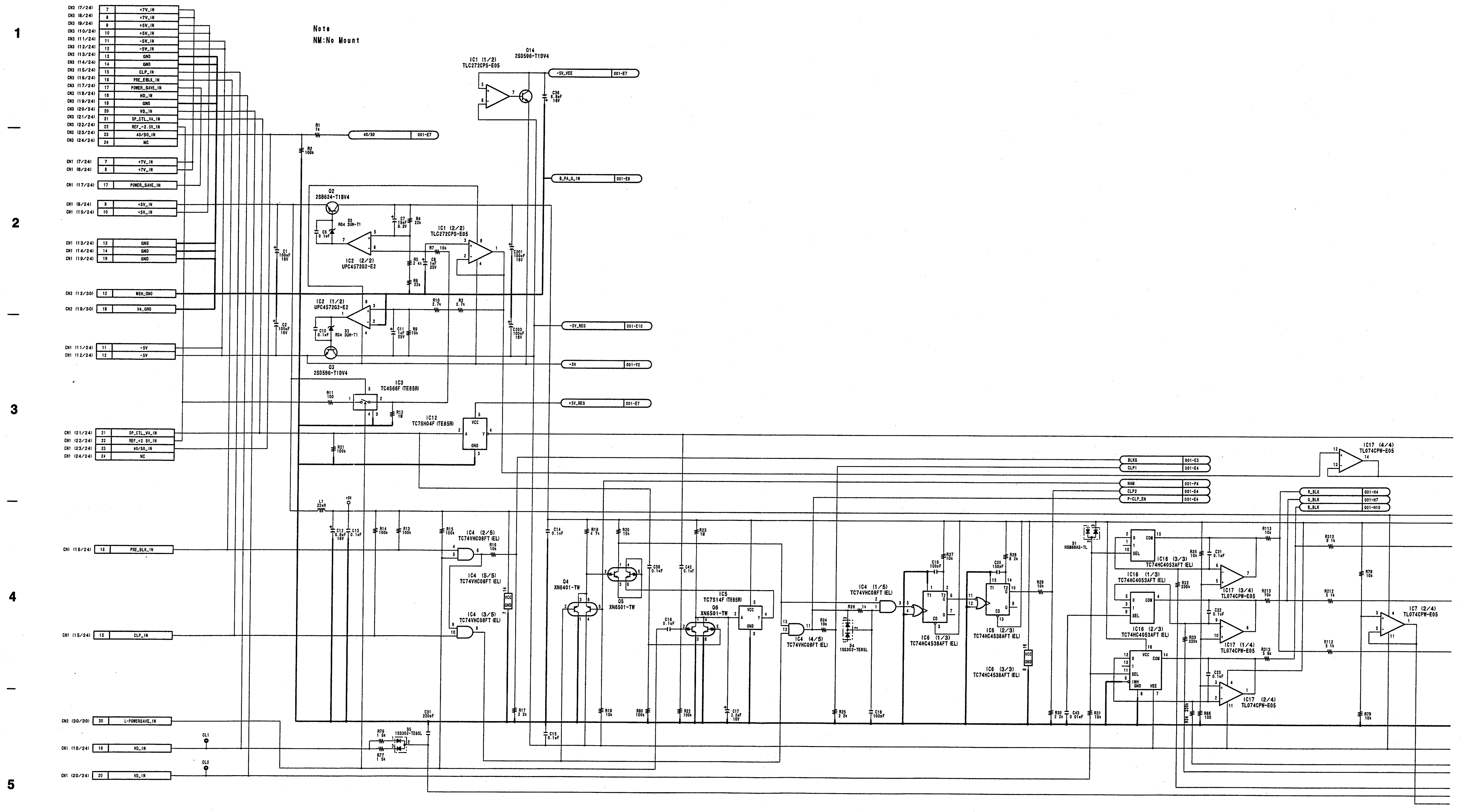
MARK	CHANGED INFORMATION	SERIAL NO.
*1	R107 2k → 2.4k	10056 and higher (707 SY) 30006 and higher (707 J/709WS J/ 790WS J) 10086 and higher (709WS SY) 10061 and higher (790WS SY) 40106 and higher (707P) 40176 and higher (709WSP) 40216 and higher (790WSP)


IC103 (1/2) CXA1486Q-TH
IC203 (1/2) CXA1486Q-TH
IC303 (1/2) CXA1486Q-TH
IC101 (2/2) TLC2272CPW-E05
IC201 (2/2) TLC2272CPW-E05
IC301 (1/2) TLC2272CPW-E05
Q11 2SA1226-T1E3E4
Q12 2SA1226-T1E3E4
Q13 2SA1226-T1E3E4
D103 HSM88AS-TL
D203 HSM88AS-TL
D303 HSM88AS-TL
R_VA_X_OUT 9 CN2 (9/30)
-5V 002-F5
R_FB_IN 6 CN2 (6/30)
R_GND 7 CN2 (7/30)
R59 10
R_VA_G_OUT 11 CN2 (11/30)
OUT_SW 002-X6
R_WSH_IN 16 CN2 (16/30)
FB_GND 2 CN2 (2/30)
R_KNEE_PT 002-U6
G_KNEE_PT 002-U6
B_KNEE_PT 002-U6
G_WSAIN 002-V6
G_VA_X_OUT 3 CN2 (3/30)
G_FB_IN 4 CN2 (4/30)
G_GND 1 CN2 (1/30)
G_VA_G_OUT 5 CN2 (5/30)
G_WSH_IN 14 CN2 (14/30)
+2.5V_REF 002-O6
KNEE_SEL 002-V6
B_WSAIN 002-V6
B_VA_X_OUT 15 CN2 (15/30)
B_FB_IN 8 CN2 (8/30)
R_FLARE 002-Z6
G_FLARE 002-Z6
B_FLARE 002-Z6
B_GND 13 CN2 (13/30)
R65 10
B_VA_G_OUT 17 CN2 (17/30)
VA_GND 28 CN2 (28/30)
B_WSH_IN 18 CN2 (18/30)

VA-191 (1/2)
LOT NO. 810-

4-7

VA-191 (2/2)


1
2
3
4
5
Note
NM:No Mount
CN3 (7/24) 7 +7V_IN
CN3 (8/24) 8 +7V_IN
CN3 (9/24) 9 +5V_IN
CN3 (10/24) 10 +5V_IN
CN3 (11/24) 11 -5V_IN
CN3 (12/24) 12 -5V_IN
CN3 (13/24) 13 GND
CN3 (14/24) 14 GND
CN3 (15/24) 15 CLP_IN
CN3 (16/24) 16 PRE_EBLK_IN
CN3 (17/24) 17 POWER_SAVE_IN
CN3 (18/24) 18 HD_IN
CN3 (19/24) 19 GND
CN3 (20/24) 20 VD_IN
CN3 (21/24) 21 DP_CTL_VA_IN
CN3 (22/24) 22 REF_+2.5V_IN
CN3 (23/24) 23 40/50_IN
CN3 (24/24) 24 NC
CN1 (7/24) 7 +7V_IN
CN1 (8/24) 8 +7V_IN
CN1 (17/24) 17 POWER_SAVE_IN
CN1 (9/24) 9 +5V_IN
CN1 (10/24) 10 +5V_IN
CN1 (13/24) 13 GND
CN1 (14/24) 14 GND
CN1 (19/24) 19 GND
CN2 (12/30) 12 WSH_GND
CN2 (19/30) 19 VA_GND
CN1 (11/24) 11 -5V
CN1 (12/24) 12 -5V
CN1 (21/24) 21 DP_CTL_VA_IN
CN1 (22/24) 22 REF_+2.5V_IN
CN1 (23/24) 23 40/50_IN
CN1 (24/24) 24 NC
CN1 (16/24) 16 PRE_BLK_IN
CN1 (15/24) 15 CLP_IN
CN2 (30/30) 30 L-POWERSAVE_IN
CN1 (18/24) 18 HD_IN
CN1 (20/24) 20 VD_IN
CL1
CL2
IC1 (1/2) TLC272CPS-E05
Q14 2SD596-T1DV4
-5V_VEE 001-E7
40/50 001-E7
B_PA_G_IN 001-E9
Q2 2SB624-T1BV4
IC1 (2/2) TLC272CPS-E05
IC2 (2/2) UPC4572G2-E2
IC2 (1/2) UPC4572G2-E2
Q3 2SD596-T1DV4
-5V_REG 001-E10
-5V 001-Y2
+5V_REG 001-E7
IC3 TC4S66F (TE85R)
IC12 TC7SH04F (TE85R)
IC4 (2/5) TC74VHC08FT (EL)
IC4 (5/5) TC74VHC08FT (EL)
IC4 (3/5) TC74VHC08FT (EL)
Q4 XN6401-TW
Q5 XN6501-TW
IC5 TC7S14F (TE85R)
Q6 XN6501-TW
IC4 (4/5) TC74VHC08FT (EL)
IC4 (1/5) TC74VHC08FT (EL)
D4 1SS302-TE85L
IC6 (1/3) TC74HC4538AFT (EL)
IC6 (2/3) TC74HC4538AFT (EL)
IC6 (3/3) TC74HC4538AFT (EL)
BLKG 001-E3
CLP1 001-E4
NAM 001-F4
CLP2 001-E4
P-CLP_EN 001-E4
D1 HSB88AS-TL
IC16 (3/3) TC74HC4053AFT (EL)
IC16 (1/3) TC74HC4053AFT (EL)
IC16 (2/3) TC74HC4053AFT (EL)
IC17 (3/4) TL074CPW-E05
IC17 (1/4) TL074CPW-E05
IC17 (2/4) TL074CPW-E05
IC17 (4/4) TL074CPW-E05
IC7 (2/4) TL074CPW-E05
R_BLK 001-H4
G_BLK 001-H7
B_BLK 001-H10
D5 1SS302-TE85L
A
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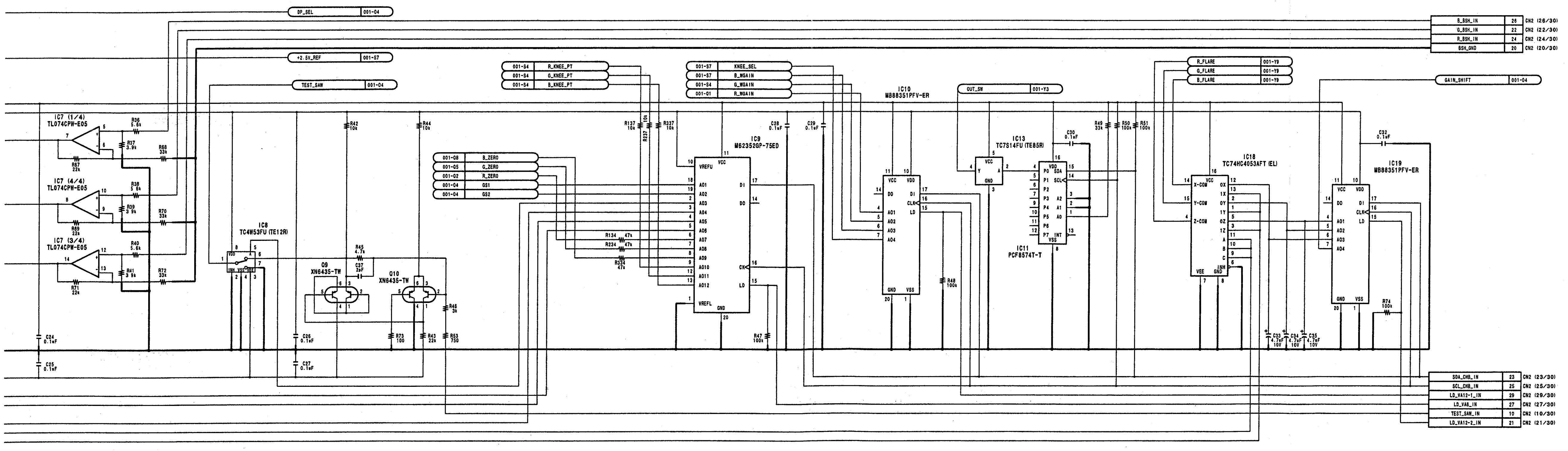
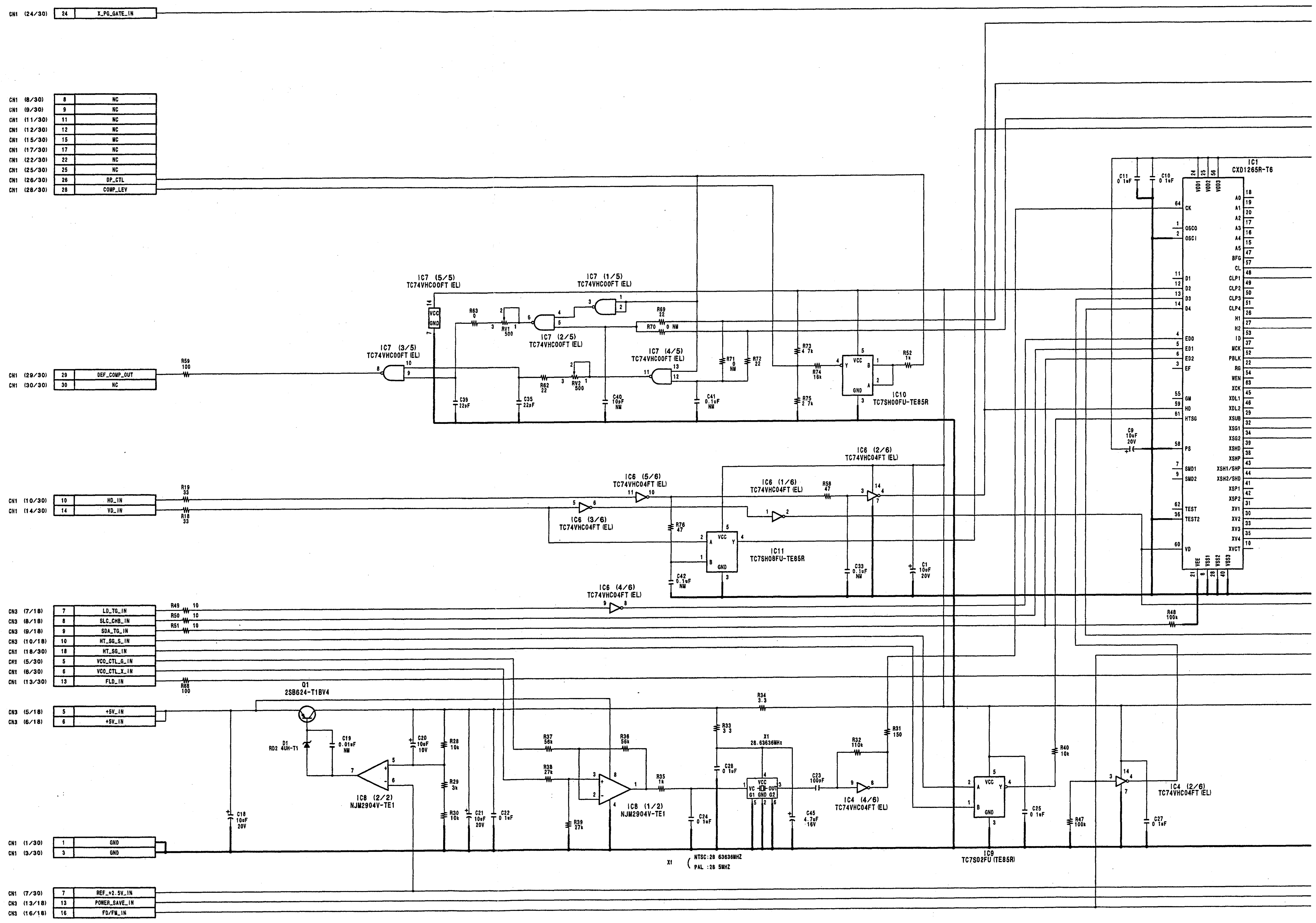

DP_SEL 001-04
+2.5V_REF 001-S7
TEST_SAW 001-04
IC7 (1/4) TL074CPW-E05
IC7 (4/4) TL074CPW-E05
IC7 (3/4) TL074CPW-E05
R36 5.6k
R37 3.9k
R67 22k
R68 33k
R38 5.6k
R39 3.9k
R69 22k
R70 33k
R40 5.6k
R41 3.9k
R71 22k
R72 33k
C24 0.1uF
C25 0.1uF
IC8 TC4W53FU (TE12R)
VDD
INH
VSS
VEE
C26 0.1uF
C27 0.1uF
R42 10k
R44 10k
R45 4.7k
C37 2pF
Q9 XN6435-TW
Q10 XN6435-TW
R46 3k
R73 100
R43 22k
R53 750
001-S4 R_KNEE_PT
001-S4 G_KNEE_PT
001-S4 B_KNEE_PT
001-08 B_ZERO
001-05 G_ZERO
001-02 R_ZERO
001-04 GS1
001-04 GS2
R134 47k
R234 47k
R334 47k
R137 10k
R237 10k
R337 10k
IC9 M62352GP-75ED
VREFU
VCC
AO1
AO2
AO3
AO4
AO5
AO6
AO7
AO8
AO9
AO10
AO11
AO12
VREFL
GND
DI
DO
CK
LD
R47 100k
C28 0.1uF
C29 0.1uF
001-S7 KNEE_SEL
001-S7 B_WGAIN
001-S4 G_WGAIN
001-01 R_WGAIN
IC10 MB88351PFV-ER
VCC
VDD
DO
DI
CLK
LD
AO1
AO2
AO3
AO4
GND
VSS
R48 100k
OUT_SW 001-Y3
IC13 TC7S14FU (TE85R)
VCC
GND
Y
A
C30 0.1uF
IC11 PCF8574T-T
VDD
P0
P1
P2
P3
P4
P5
P6
P7
SDA
SCL
A2
A1
A0
INT
VSS
R49 33k
R50 100k
R51 100k
R_FLARE 001-Y9
G_FLARE 001-Y9
B_FLARE 001-Y9
IC18 TC74HC4053AFT (EL)
X-COM
Y-COM
Z-COM
VCC
0X
1X
0Y
1Y
0Z
1Z
A
B
C
INH
VEE
GND
C33 4.7uF 10V
C34 4.7uF 10V
C35 4.7uF 10V
GAIN_SHIFT 001-04
C32 0.1uF
IC19 MB88351PFV-ER
VCC
VDD
DO
DI
CLK
LD
AO1
AO2
AO3
AO4
GND
VSS
R74 100k
B_BSH_IN 26 CN2 (26/30)
G_BSH_IN 22 CN2 (22/30)
R_BSH_IN 24 CN2 (24/30)
BSH_GND 20 CN2 (20/30)
SDA_CHB_IN 23 CN2 (23/30)
SCL_CHB_IN 25 CN2 (25/30)
LD_VA12-1_IN 29 CN2 (29/30)
LD_VA8_IN 27 CN2 (27/30)
TEST_SAW_IN 10 CN2 (10/30)
LD_VA12-2_IN 21 CN2 (21/30)

VA-191 (2/2)

LOT NO. 810-

TG-206/206P


1
2
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5
CN1 (24/30) 24 X_PG_GATE_IN
CN1 (8/30) 8 NC
CN1 (9/30) 9 NC
CN1 (11/30) 11 NC
CN1 (12/30) 12 NC
CN1 (15/30) 15 NC
CN1 (17/30) 17 NC
CN1 (22/30) 22 NC
CN1 (25/30) 25 NC
CN1 (26/30) 26 DP_CTL
CN1 (28/30) 28 COMP_LEV
CN1 (29/30) 29 DEF_COMP_OUT
CN1 (30/30) 30 NC
R59 100
IC7 (5/5) TC74VHC00FT (EL)
IC7 (1/5) TC74VHC00FT (EL)
IC7 (2/5) TC74VHC00FT (EL)
IC7 (3/5) TC74VHC00FT (EL)
IC7 (4/5) TC74VHC00FT (EL)
VCC
GND
R63 0
RV1 500
R62 22
RV2 500
R69 22
R70 0 NM
R71 0 NM
R72 22
C39 22pF
C35 22pF
C40 10pF NM
C41 0.1uF NM
R73 4 7k
R74 16k
R75 2 7k
R52 1k
IC10 TC7SH00FU-TE85R
CN1 (10/30) 10 HD_IN
CN1 (14/30) 14 VD_IN
R19 33
R18 33
IC6 (5/6) TC74VHC04FT (EL)
IC6 (3/6) TC74VHC04FT (EL)
IC6 (1/6) TC74VHC04FT (EL)
IC6 (2/6) TC74VHC04FT (EL)
IC6 (4/6) TC74VHC04FT (EL)
R58 47
R76 47
C42 0.1uF NM
IC11 TC7SH08FU-TE85R
C33 0.1uF NM
C1 10uF 20V
IC1 CXD1265R-T6
C11 0 1uF
C10 0 1uF
C9 10uF 20V
VDD1 VDD2 VDD3
CK OSCO OSCI D1 D2 D3 D4 ED0 ED1 ED2 EF GM HD HTSG PS SMD1 SMD2 TEST TEST2 VD
A0 A1 A2 A3 A4 A5 BFG CL CLP1 CLP2 CLP3 CLP4 H1 H2 ID MCK PBLK RG WEN XCK XDL1 XDL2 XSUB XSG1 XSG2 XSHD XSHP XSH1/SHP XSH2/SHD XSP1 XSP2 XV1 XV2 XV3 XV4 XVCT
VEE VSS1 VSS2 VSS3
R48 100k
CN3 (7/18) 7 LD_TG_IN
CN3 (8/18) 8 SLC_CHB_IN
CN3 (9/18) 9 SDA_TG_IN
CN3 (10/18) 10 HT_SG_S_IN
CN1 (18/30) 18 HT_SG_IN
CN1 (5/30) 5 VCO_CTL_G_IN
CN1 (6/30) 6 VCO_CTL_X_IN
CN1 (13/30) 13 FLD_IN
R49 10
R50 10
R51 10
R68 100
CN3 (5/18) 5 +5V_IN
CN3 (6/18) 6 +5V_IN
Q1 2SB624-T1BV4
D1 RD2 4UH-T1
C19 0.01uF NM
C18 10uF 20V
C20 10uF 10V
IC8 (2/2) NJM2904V-TE1
R28 10k
R29 3k
R30 10k
C21 10uF 20V
C22 0 1uF
R37 56k
R36 56k
R38 27k
R39 27k
IC8 (1/2) NJM2904V-TE1
R35 1k
C24 0 1uF
R34 3.3
R33 3 3
C28 0 1uF
X1 28.63636MHz
VC G1 GND G2 OUT
C45 4.7uF 16V
C23 100pF
R32 110k
R31 150
IC4 (4/6) TC74VHC04FT (EL)
IC9 TC7S02FU (TE85R)
C25 0 1uF
R40 10k
R47 100k
IC4 (2/6) TC74VHC04FT (EL)
C27 0 1uF
X1 (NTSC:28 63636MHZ PAL :28 5MHZ
CN1 (1/30) 1 GND
CN1 (3/30) 3 GND
CN1 (7/30) 7 REF_+2.5V_IN
CN3 (13/18) 13 POWER_SAVE_IN
CN3 (16/18) 16 FD/FM_IN
A
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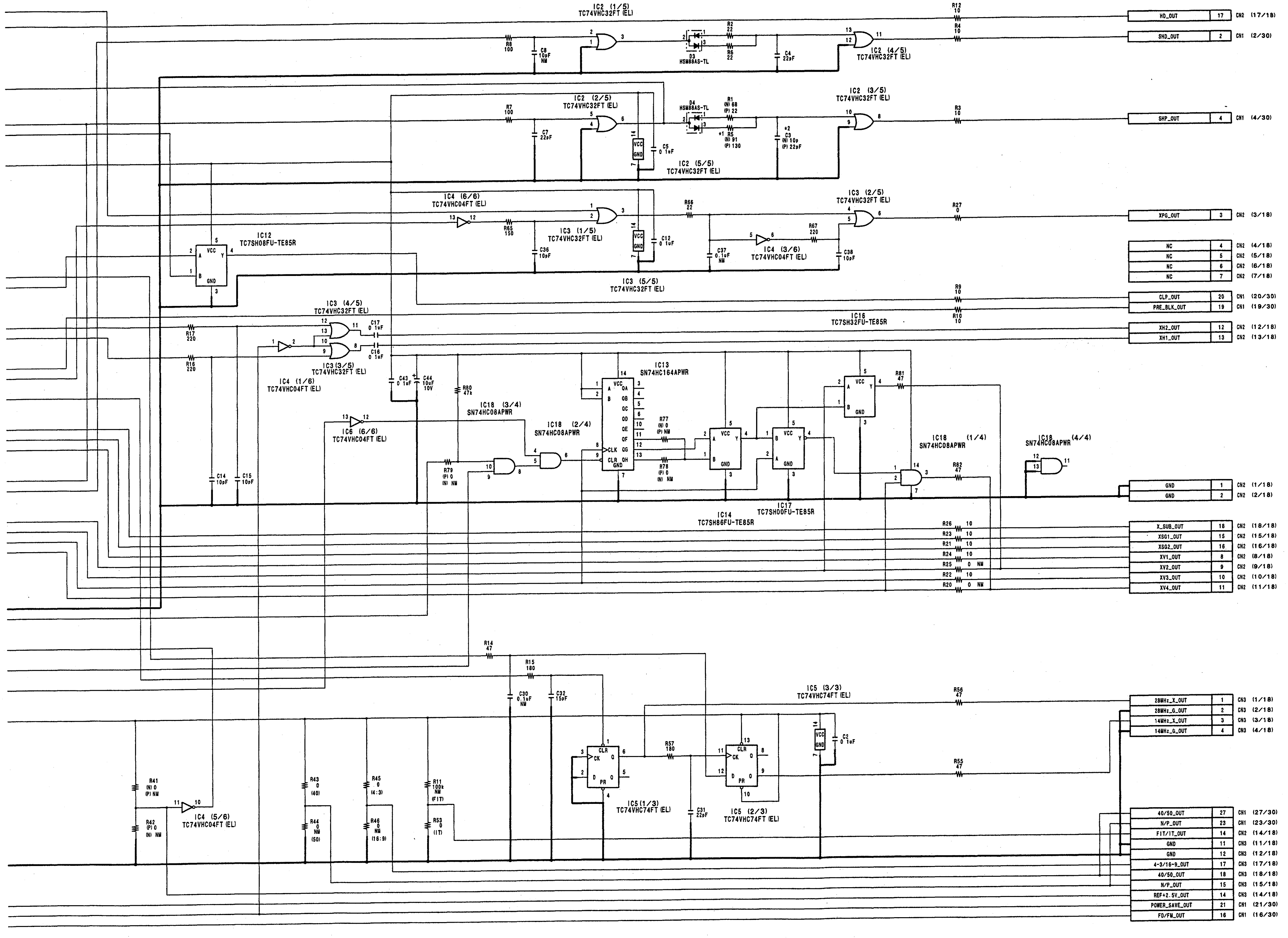
4-10

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R5 (N) 91 → 1.1k	10021 through 10055 (707 SY)
	R5 (N) 1.1k → 91	10056 and higher (707 SY)
		30006 and higher (707 J)
	R5 (P) 91 → 130	40166 and higher (707P)
*2	C3 (P) 10pF → 22pF	40106 and higher (707P)

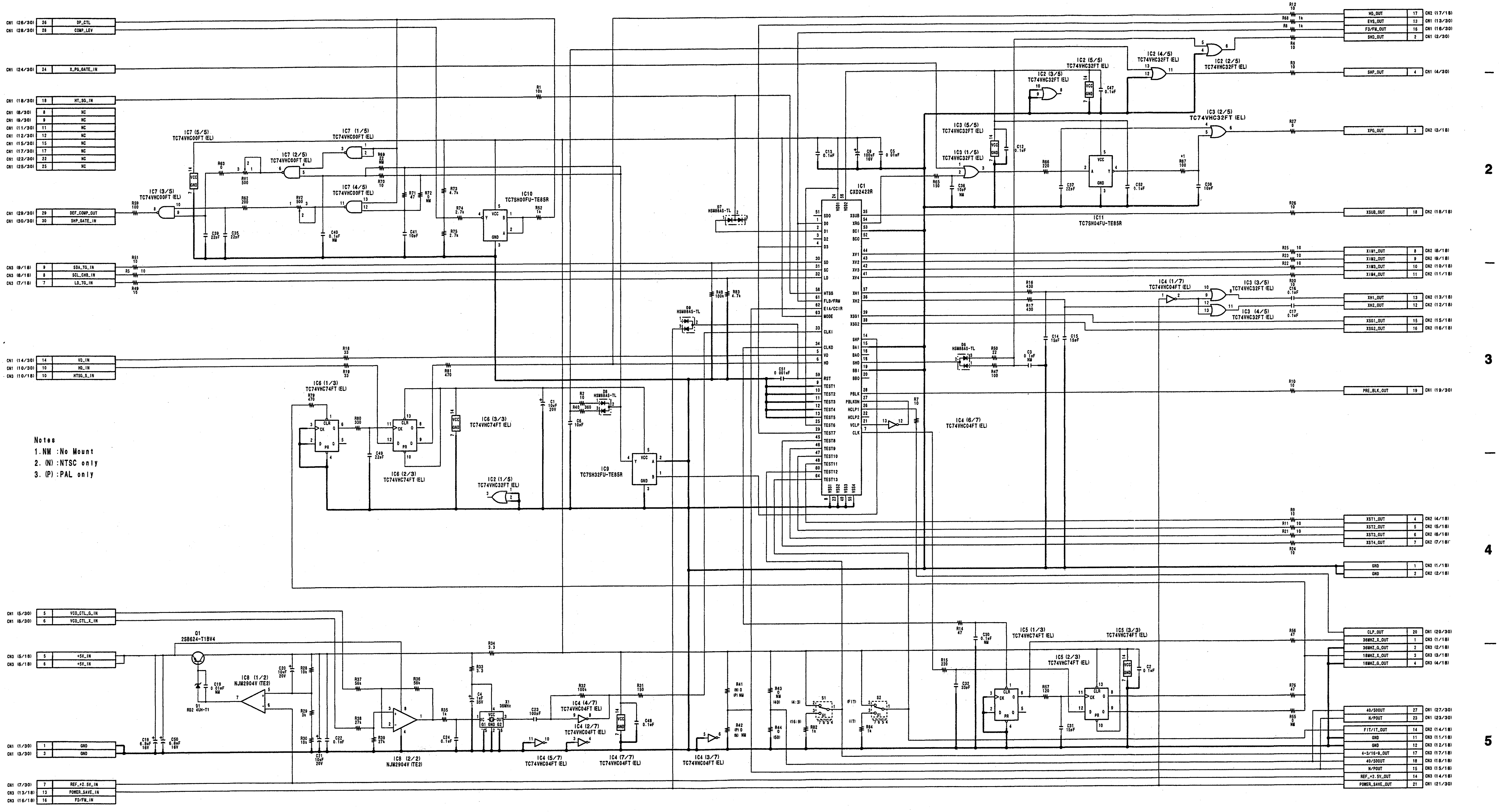

IC2 (1/5) TC74VHC32FT (EL)
IC2 (2/5) TC74VHC32FT (EL)
IC2 (3/5) TC74VHC32FT (EL)
IC2 (4/5) TC74VHC32FT (EL)
IC2 (5/5) TC74VHC32FT (EL)
IC3 (1/5) TC74VHC32FT (EL)
IC3 (2/5) TC74VHC32FT (EL)
IC3 (3/5) TC74VHC32FT (EL)
IC3 (4/5) TC74VHC32FT (EL)
IC3 (5/5) TC74VHC32FT (EL)
IC4 (1/6) TC74VHC04FT (EL)
IC4 (3/6) TC74VHC04FT (EL)
IC4 (5/6) TC74VHC04FT (EL)
IC4 (6/6) TC74VHC04FT (EL)
IC6 (6/6) TC74VHC04FT (EL)
IC5 (1/3) TC74VHC74FT (EL)
IC5 (2/3) TC74VHC74FT (EL)
IC5 (3/3) TC74VHC74FT (EL)
IC12 TC7SH08FU-TE85R
IC13 SN74HC164APWR
IC14 TC7SH86FU-TE85R
IC16 TC7SH32FU-TE85R
IC17 TC7SH00FU-TE85R
IC18 (1/4) SN74HC08APWR
IC18 (2/4) SN74HC08APWR
IC18 (3/4) SN74HC08APWR
IC18 (4/4) SN74HC08APWR
D3 HSM88AS-TL
D4 HSM88AS-TL
HD_OUT 17 CN2 (17/18)
SHD_OUT 2 CN1 (2/30)
SHP_OUT 4 CN1 (4/30)
XPG_OUT 3 CN2 (3/18)
NC 4 CN2 (4/18)
NC 5 CN2 (5/18)
NC 6 CN2 (6/18)
NC 7 CN2 (7/18)
CLP_OUT 20 CN1 (20/30)
PRE_BLK_OUT 19 CN1 (19/30)
XH2_OUT 12 CN2 (12/18)
XH1_OUT 13 CN2 (13/18)
GND 1 CN2 (1/18)
GND 2 CN2 (2/18)
X_SUB_OUT 18 CN2 (18/18)
XSG1_OUT 15 CN2 (15/18)
XSG2_OUT 16 CN2 (16/18)
XV1_OUT 8 CN2 (8/18)
XV2_OUT 9 CN2 (9/18)
XV3_OUT 10 CN2 (10/18)
XV4_OUT 11 CN2 (11/18)
28MHz_X_OUT 1 CN3 (1/18)
28MHz_G_OUT 2 CN3 (2/18)
14MHz_X_OUT 3 CN3 (3/18)
14MHz_G_OUT 4 CN3 (4/18)
40/50_OUT 27 CN1 (27/30)
N/P_OUT 23 CN1 (23/30)
FIT/IT_OUT 14 CN2 (14/18)
GND 11 CN3 (11/18)
GND 12 CN3 (12/18)
4-3/16-9_OUT 17 CN3 (17/18)
40/50_OUT 18 CN3 (18/18)
N/P_OUT 15 CN3 (15/18)
REF+2.5V_OUT 14 CN3 (14/18)
POWER_SAVE_OUT 21 CN1 (21/30)
FD/FM_OUT 16 CN1 (16/30)

Notes
1. NM : No Mount
2. (N) : NTSC only
3. (P) : PAL only

TG-206 (for DVW-707)
TG-206P (for DVW-707P)
LOT NO. 811-

TG-207/207P

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R67 220 → 100	30006 and higher (709WS J/790WS J) 10086 and higher (709WS SY/790WS SY) 40176 and higher (709WSP) 40266 and higher (790WSP)


1
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CN1 (26/30) 26 DP_CTL
CN1 (28/30) 28 COMP_LEV
CN1 (24/30) 24 X_PG_GATE_IN
CN1 (18/30) 18 HT_SG_IN
CN1 (8/30) 8 NC
CN1 (9/30) 9 NC
CN1 (11/30) 11 NC
CN1 (12/30) 12 NC
CN1 (15/30) 15 NC
CN1 (17/30) 17 NC
CN1 (22/30) 22 NC
CN1 (25/30) 25 NC
CN1 (29/30) 29 DEF_COMP_OUT
CN1 (30/30) 30 SHP_GATE_IN
CN3 (9/18) 9 SDA_TG_IN
CN3 (8/18) 8 SCL_CHB_IN
CN3 (7/18) 7 LD_TG_IN
CN1 (14/30) 14 VD_IN
CN1 (10/30) 10 HD_IN
CN3 (10/18) 10 HTSG_S_IN
CN1 (5/30) 5 VCO_CTL_G_IN
CN1 (6/30) 6 VCO_CTL_X_IN
CN3 (5/18) 5 +5V_IN
CN3 (6/18) 6 +5V_IN
CN1 (1/30) 1 GND
CN1 (3/30) 3 GND
CN1 (7/30) 7 REF_+2.5V_IN
CN3 (13/18) 13 POWER_SAVE_IN
CN3 (16/18) 16 FD/FM_IN
IC7 (5/5) TC74VHC00FT (EL)
IC7 (3/5) TC74VHC00FT (EL)
IC7 (2/5) TC74VHC00FT (EL)
IC7 (1/5) TC74VHC00FT (EL)
IC7 (4/5) TC74VHC00FT (EL)
IC10 TC7SH00FU-TE85R
IC6 (1/3) TC74VHC74FT (EL)
IC6 (2/3) TC74VHC74FT (EL)
IC6 (3/3) TC74VHC74FT (EL)
IC2 (1/5) TC74VHC32FT (EL)
IC9 TC7SH32FU-TE85R
IC1 CXD2422R
IC2 (5/5) TC74VHC32FT (EL)
IC2 (4/5) TC74VHC32FT (EL)
IC2 (3/5) TC74VHC32FT (EL)
IC2 (2/5) TC74VHC32FT (EL)
IC3 (5/5) TC74VHC32FT (EL)
IC3 (1/5) TC74VHC32FT (EL)
IC3 (2/5) TC74VHC32FT (EL)
IC3 (3/5) TC74VHC32FT (EL)
IC3 (4/5) TC74VHC32FT (EL)
IC11 TC7SH04FU-TE85R
IC4 (1/7) TC74VHC04FT (EL)
IC4 (6/7) TC74VHC04FT (EL)
IC4 (4/7) TC74VHC04FT (EL)
IC4 (2/7) TC74VHC04FT (EL)
IC4 (5/7) TC74VHC04FT (EL)
IC4 (7/7) TC74VHC04FT (EL)
IC4 (3/7) TC74VHC04FT (EL)
IC5 (1/3) TC74VHC74FT (EL)
IC5 (2/3) TC74VHC74FT (EL)
IC5 (3/3) TC74VHC74FT (EL)
IC8 (1/2) NJM2904V (TE2)
IC8 (2/2) NJM2904V (TE2)
Q1 2SB624-T1BV4
D1 RD2 4UH-T1
X1 36MHz
D6 HSM88AS-TL
D7 HSM88AS-TL
D8 HSM88AS-TL
D9 HSM88AS-TL
R67 100 *1
HD_OUT 17 CN2 (17/18)
EVS_OUT 13 CN1 (13/30)
FD/FM_OUT 16 CN1 (16/30)
SHD_OUT 2 CN1 (2/30)
SHP_OUT 4 CN1 (4/30)
XPG_OUT 3 CN2 (3/18)
XSUB_OUT 18 CN2 (18/18)
XIM1_OUT 8 CN2 (8/18)
XIM2_OUT 9 CN2 (9/18)
XIM3_OUT 10 CN2 (10/18)
XIM4_OUT 11 CN2 (11/18)
XH1_OUT 13 CN2 (13/18)
XH2_OUT 12 CN2 (12/18)
XSG1_OUT 15 CN2 (15/18)
XSG2_OUT 16 CN2 (16/18)
PRE_BLK_OUT 19 CN1 (19/30)
XST1_OUT 4 CN2 (4/18)
XST2_OUT 5 CN2 (5/18)
XST3_OUT 6 CN2 (6/18)
XST4_OUT 7 CN2 (7/18)
GND 1 CN2 (1/18)
GND 2 CN2 (2/18)
CLP_OUT 20 CN1 (20/30)
36MHZ_X_OUT 1 CN3 (1/18)
36MHZ_G_OUT 2 CN3 (2/18)
18MHZ_X_OUT 3 CN3 (3/18)
18MHZ_G_OUT 4 CN3 (4/18)
40/50OUT 27 CN1 (27/30)
N/POUT 23 CN1 (23/30)
FIT/IT_OUT 14 CN2 (14/18)
GND 11 CN3 (11/18)
GND 12 CN3 (12/18)
4-3/16-9_OUT 17 CN3 (17/18)
40/50OUT 18 CN3 (18/18)
N/POUT 15 CN3 (15/18)
REF_+2.5V_OUT 14 CN3 (14/18)
POWER_SAVE_OUT 21 CN1 (21/30)

Notes
1. NM : No Mount
2. (N) : NTSC only
3. (P) : PAL only

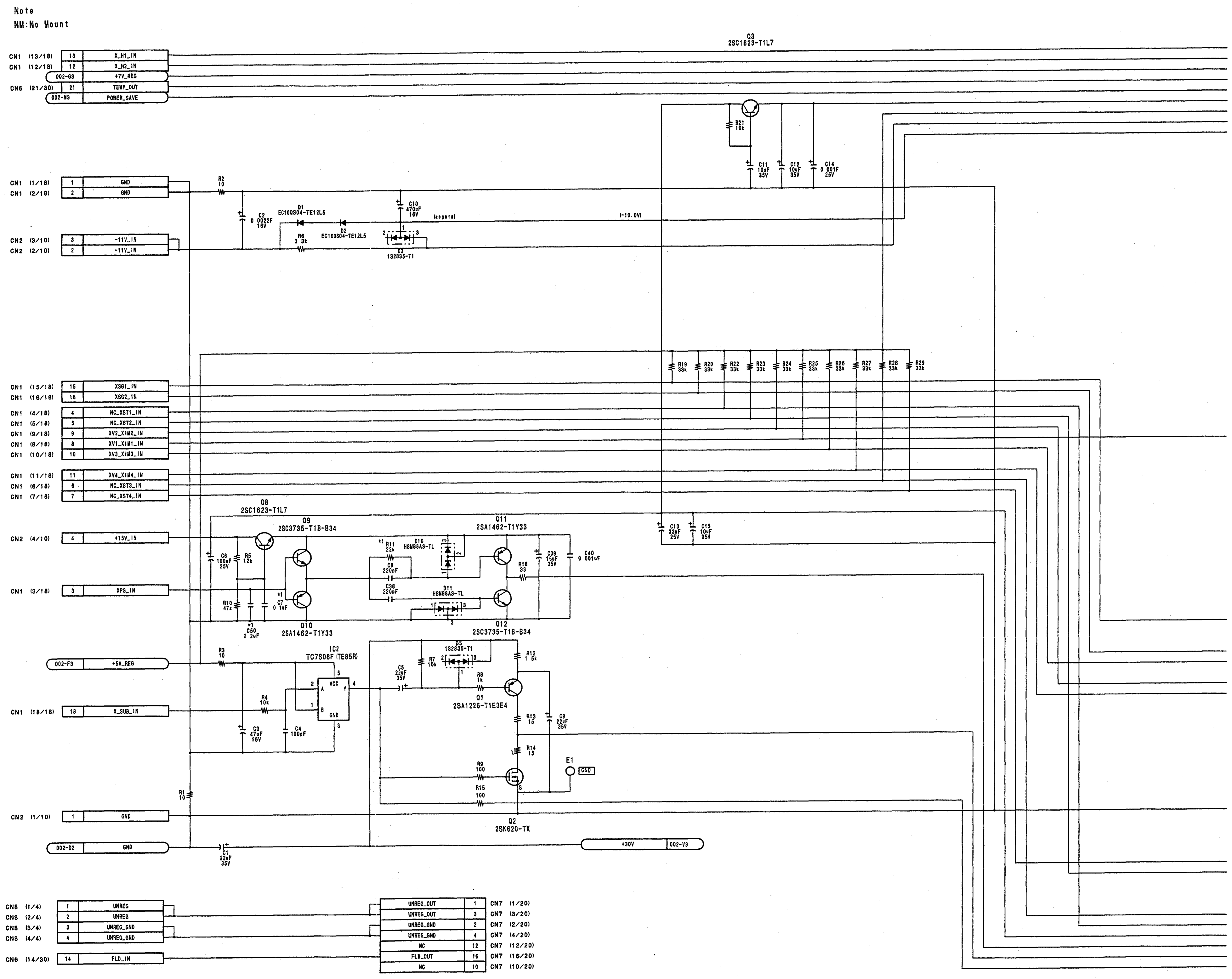
TG-207 (for DVW-790WS/709WS)
TG-207P (for DVW-790WSP/709WSP)
LOT NO. 810-

4-13

A | B | C | D | E | F | G | H

DR-387 (1/2)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R11 DELETED C7 DELETED C50 2.2uF ADDED	10021 and higher (707 SY) 30006 and higher (707 J/709WS J/790WS J) 10036 and higher (709WS SY/790WS SY) 40036 and higher (707P) 40101 and higher (709WSP) 40086 and higher (790WSP)


Note
NM:No Mount
CN1 (13/18) 13 X_H1_IN
CN1 (12/18) 12 X_H2_IN
002-G3 +7V_REG
CN6 (21/30) 21 TEMP_OUT
002-N3 POWER_SAVE
Q3 2SC1623-T1L7
R21 10k
C11 10uF 35V
C12 10uF 35V
C14 0 001F 25V
CN1 (1/18) 1 GND
CN1 (2/18) 2 GND
R2 10
C2 0 0022F 16V
D1 EC10QS04-TE12L5
D2 EC10QS04-TE12L5
R6 3 3k
C10 470uF 16V
(kogata)
(-10.0V)
D3 1S2835-T1
CN2 (3/10) 3 -11V_IN
CN2 (2/10) 2 -11V_IN
R19 33k
R20 33k
R22 33k
R23 33k
R24 33k
R25 33k
R26 33k
R27 33k
R28 33k
R29 33k
CN1 (15/18) 15 XSG1_IN
CN1 (16/18) 16 XSG2_IN
CN1 (4/18) 4 NC_XST1_IN
CN1 (5/18) 5 NC_XST2_IN
CN1 (9/18) 9 XV2_XIM2_IN
CN1 (8/18) 8 XV1_XIM1_IN
CN1 (10/18) 10 XV3_XIM3_IN
CN1 (11/18) 11 XV4_XIM4_IN
CN1 (6/18) 6 NC_XST3_IN
CN1 (7/18) 7 NC_XST4_IN
C13 33uF 25V
C15 10uF 35V
Q8 2SC1623-T1L7
Q9 2SC3735-T1B-B34
Q11 2SA1462-T1Y33
CN2 (4/10) 4 +15V_IN
C6 100uF 25V
R5 12k
*1 R11 22k
D10 HSM88AS-TL
C8 220pF
C38 220pF
D11 HSM88AS-TL
C39 15uF 35V
C40 0 001uF
R18 33
CN1 (3/18) 3 XPG_IN
R10 47k
*1 C7 0 1uF
*1 C50 2 2uF
Q10 2SA1462-T1Y33
Q12 2SC3735-T1B-B34
002-F3 +5V_REG
R3 10
IC2 TC7S08F (TE85R)
VCC A B Y GND
R4 10k
C3 47uF 16V
C4 100pF
CN1 (18/18) 18 X_SUB_IN
C5 22uF 35V
R7 10k
D5 1S2835-T1
R12 1 5k
R8 1k
Q1 2SA1226-T1E3E4
R13 15
C9 22uF 35V
R14 15
E1 GND
R9 100
R15 100
Q2 2SK620-TX
R1 10
CN2 (1/10) 1 GND
002-D2 GND
C1 22uF 35V
+30V 002-V3
CN8 (1/4) 1 UNREG
CN8 (2/4) 2 UNREG
CN8 (3/4) 3 UNREG_GND
CN8 (4/4) 4 UNREG_GND
CN6 (14/30) 14 FLD_IN
UNREG_OUT 1 CN7 (1/20)
UNREG_OUT 3 CN7 (3/20)
UNREG_GND 2 CN7 (2/20)
UNREG_GND 4 CN7 (4/20)
NC 12 CN7 (12/20)
FLD_OUT 16 CN7 (16/20)
NC 10 CN7 (10/20)

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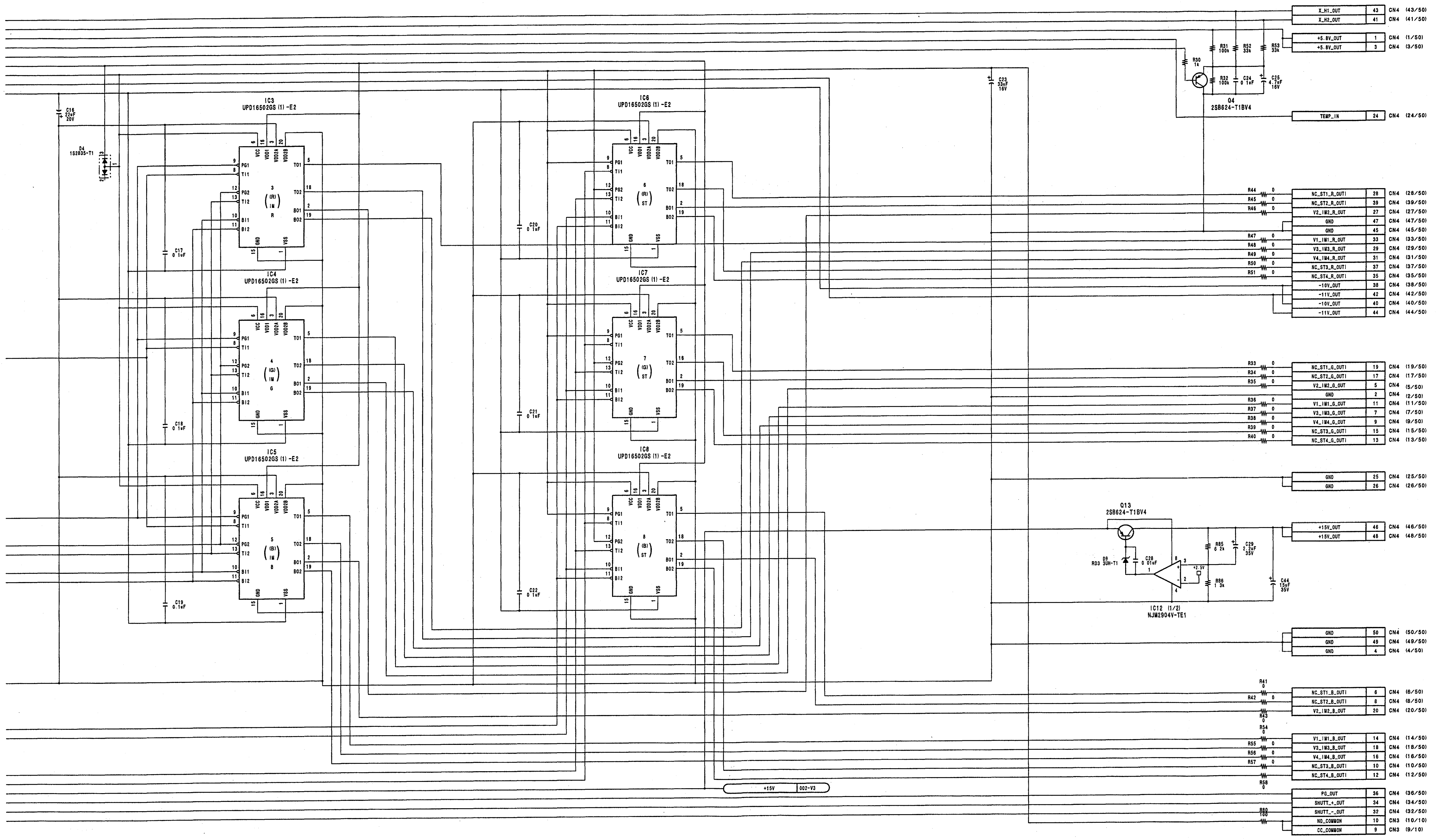
1
2
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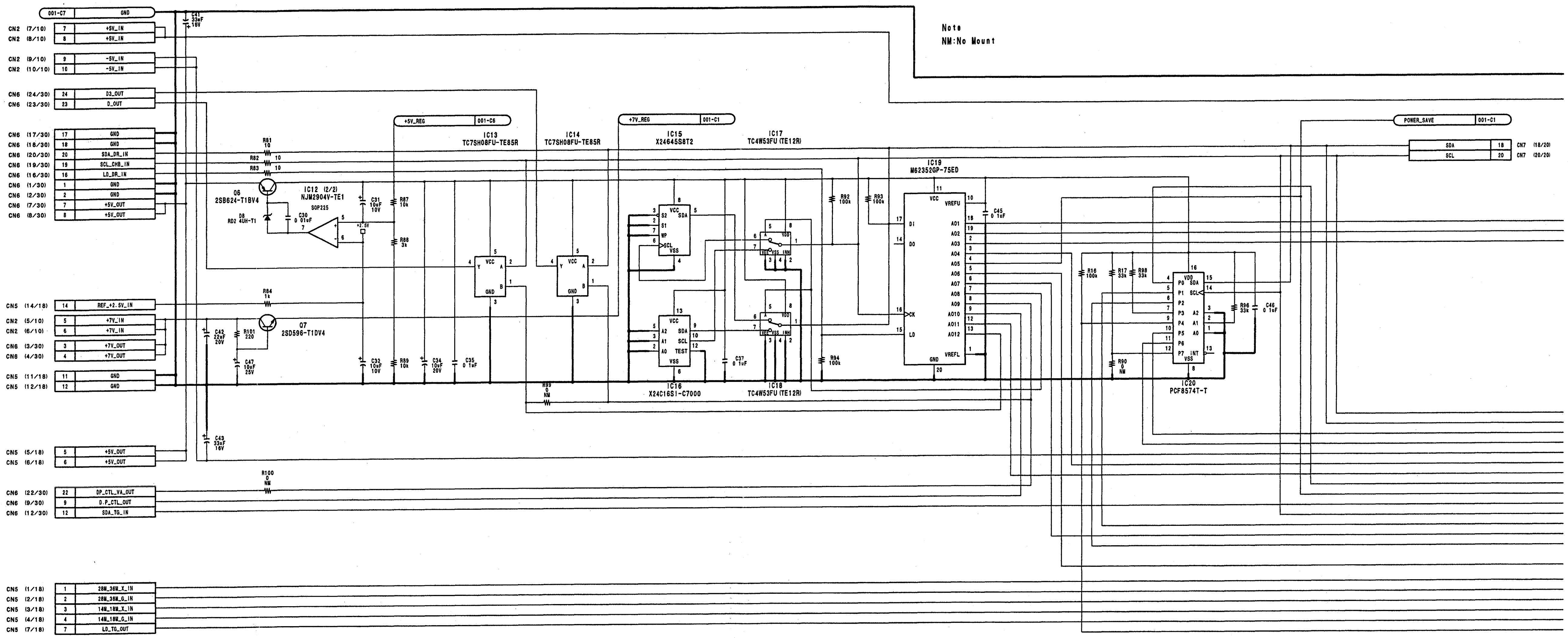
5
IC3
UPD16502GS (1) -E2
IC4
UPD16502GS (1) -E2
IC5
UPD16502GS (1) -E2
IC6
UPD16502GS (1) -E2
IC7
UPD16502GS (1) -E2
IC8
UPD16502GS (1) -E2
VCC
VDD1
VDD2A
VDD2B
PG1
TI1
PG2
TI2
BI1
BI2
GND
VSS
TO1
TO2
BO1
BO2
3 (R) IM R
4 (G) IM G
5 (B) IM B
6 (R) ST
7 (G) ST
8 (B) ST
C16 22uF 20V
D4 1S2835-T1
C17 0 1uF
C18 0 1uF
C19 0 1uF
C20 0 1uF
C21 0 1uF
C22 0 1uF
C23 33uF 16V
R30 1k
R31 100k
R52 33k
R53 33k
R32 100k
C24 0 1uF
C25 4.7uF 16V
Q4
2SB624-T1BV4
Q13
2SB624-T1BV4
D9
RD3 3UH-T1
C28 0 01uF
+2.5V
R85 6 2k
C29 2.2uF 35V
R86 1 3k
C44 15uF 35V
IC12 (1/2)
NJM2904V-TE1
+15V
002-V3
X_H1_OUT 43 CN4 (43/50)
X_H2_OUT 41 CN4 (41/50)
+5.8V_OUT 1 CN4 (1/50)
+5.8V_OUT 3 CN4 (3/50)
TEMP_IN 24 CN4 (24/50)
R44 0 NC_ST1_R_OUTI 28 CN4 (28/50)
R45 0 NC_ST2_R_OUTI 39 CN4 (39/50)
R46 0 V2_IM2_R_OUT 27 CN4 (27/50)
GND 47 CN4 (47/50)
GND 45 CN4 (45/50)
R47 0 V1_IM1_R_OUT 33 CN4 (33/50)
R48 0 V3_IM3_R_OUT 29 CN4 (29/50)
R49 0 V4_IM4_R_OUT 31 CN4 (31/50)
R50 0 NC_ST3_R_OUTI 37 CN4 (37/50)
R51 0 NC_ST4_R_OUTI 35 CN4 (35/50)
-10V_OUT 38 CN4 (38/50)
-11V_OUT 42 CN4 (42/50)
-10V_OUT 40 CN4 (40/50)
-11V_OUT 44 CN4 (44/50)
R33 0 NC_ST1_G_OUTI 19 CN4 (19/50)
R34 0 NC_ST2_G_OUTI 17 CN4 (17/50)
R35 0 V2_IM2_G_OUT 5 CN4 (5/50)
GND 2 CN4 (2/50)
R36 0 V1_IM1_G_OUT 11 CN4 (11/50)
R37 0 V3_IM3_G_OUT 7 CN4 (7/50)
R38 0 V4_IM4_G_OUT 9 CN4 (9/50)
R39 0 NC_ST3_G_OUTI 15 CN4 (15/50)
R40 0 NC_ST4_G_OUTI 13 CN4 (13/50)
GND 25 CN4 (25/50)
GND 26 CN4 (26/50)
+15V_OUT 46 CN4 (46/50)
+15V_OUT 48 CN4 (48/50)
GND 50 CN4 (50/50)
GND 49 CN4 (49/50)
GND 4 CN4 (4/50)
R41 0 NC_ST1_B_OUTI 6 CN4 (6/50)
R42 0 NC_ST2_B_OUTI 8 CN4 (8/50)
R43 0 V2_IM2_B_OUT 20 CN4 (20/50)
R54 0 V1_IM1_B_OUT 14 CN4 (14/50)
R55 0 V3_IM3_B_OUT 18 CN4 (18/50)
R56 0 V4_IM4_B_OUT 16 CN4 (16/50)
R57 0 NC_ST3_B_OUTI 10 CN4 (10/50)
R58 0 NC_ST4_B_OUTI 12 CN4 (12/50)
PG_OUT 36 CN4 (36/50)
SHUTT_+_OUT 34 CN4 (34/50)
SHUTT_-_OUT 32 CN4 (32/50)
R80 100 ND_COMMON 10 CN3 (10/10)
CC_COMMON 9 CN3 (9/10)
I
J
K
L
M
N
O
P

DR-387 (1/2)
LOT NO. 810

DR-387 (2/2)


001-C7
GND
C41
33uF
16V
CN2 (7/10) 7 +5V_IN
CN2 (8/10) 8 +5V_IN
CN2 (9/10) 9 -5V_IN
CN2 (10/10) 10 -5V_IN
CN6 (24/30) 24 D3_OUT
CN6 (23/30) 23 D_OUT
CN6 (17/30) 17 GND
CN6 (18/30) 18 GND
CN6 (20/30) 20 SDA_DR_IN
CN6 (19/30) 19 SCL_CHB_IN
CN6 (16/30) 16 LD_DR_IN
CN6 (1/30) 1 GND
CN6 (2/30) 2 GND
CN6 (7/30) 7 +5V_OUT
CN6 (8/30) 8 +5V_OUT
CN5 (14/18) 14 REF_+2.5V_IN
CN2 (5/10) 5 +7V_IN
CN2 (6/10) 6 +7V_IN
CN6 (3/30) 3 +7V_OUT
CN6 (4/30) 4 +7V_OUT
CN5 (11/18) 11 GND
CN5 (12/18) 12 GND
CN5 (5/18) 5 +5V_OUT
CN5 (6/18) 6 +5V_OUT
CN6 (22/30) 22 DP_CTL_VA_OUT
CN6 (9/30) 9 D.P_CTL_OUT
CN6 (12/30) 12 SDA_TG_IN
CN5 (1/18) 1 28M_36M_X_IN
CN5 (2/18) 2 28M_36M_G_IN
CN5 (3/18) 3 14M_18M_X_IN
CN5 (4/18) 4 14M_18M_G_IN
CN5 (7/18) 7 LD_TG_OUT
R81 10
R82 10
R83 10
Q6
2SB624-T1BV4
D8
RD2 4UH-T1
C30
0 01uF
IC12 (2/2)
NJM2904V-TE1
SOP225
+2.5V
C31
10uF
10V
R87
10k
R88
3k
R84
1k
Q7
2SD596-T1DV4
C42
22uF
20V
R101
220
C47
10uF
25V
C43
33uF
16V
C32
10uF
10V
R89
10k
C34
10uF
20V
C35
0 1uF
R100
0
NM
+5V_REG
001-C6
IC13
TC7SH08FU-TE85R
IC14
TC7SH08FU-TE85R
VCC
GND
Y
A
B
R99
0
NM
+7V_REG
001-C1
IC15
X24645S8T2
VCC
SDA
S2
S1
WP
SCL
VSS
IC16
X24C16S1-C7000
VCC
A2
A1
A0
SDA
SCL
TEST
VSS
C37
0 1uF
IC17
TC4W53FU (TE12R)
IC18
TC4W53FU (TE12R)
A
VDD
VEE
VSS
INH
R92
100k
R93
100k
R94
100k
IC19
M62352GP-75ED
VCC
VREFU
DI
DO
CK
LD
AO1
AO2
AO3
AO4
AO5
AO6
AO7
AO8
AO9
AO10
AO11
AO12
VREFL
GND
C45
0 1uF
Note
NM:No Mount
POWER_SAVE
001-C1
SDA 18 CN7 (18/20)
SCL 20 CN7 (20/20)
R16
100k
R17
33k
R98
33k
R90
0
NM
IC20
PCF8574T-T
VDD
SDA
SCL
P0
P1
P2
P3
P4
P5
P6
P7
A2
A1
A0
INT
VSS
R96
33k
C46
0 1uF
1
2
3
4
5
A
B
C
D
E
F
G
H

4-16

DR-387 (2/2)

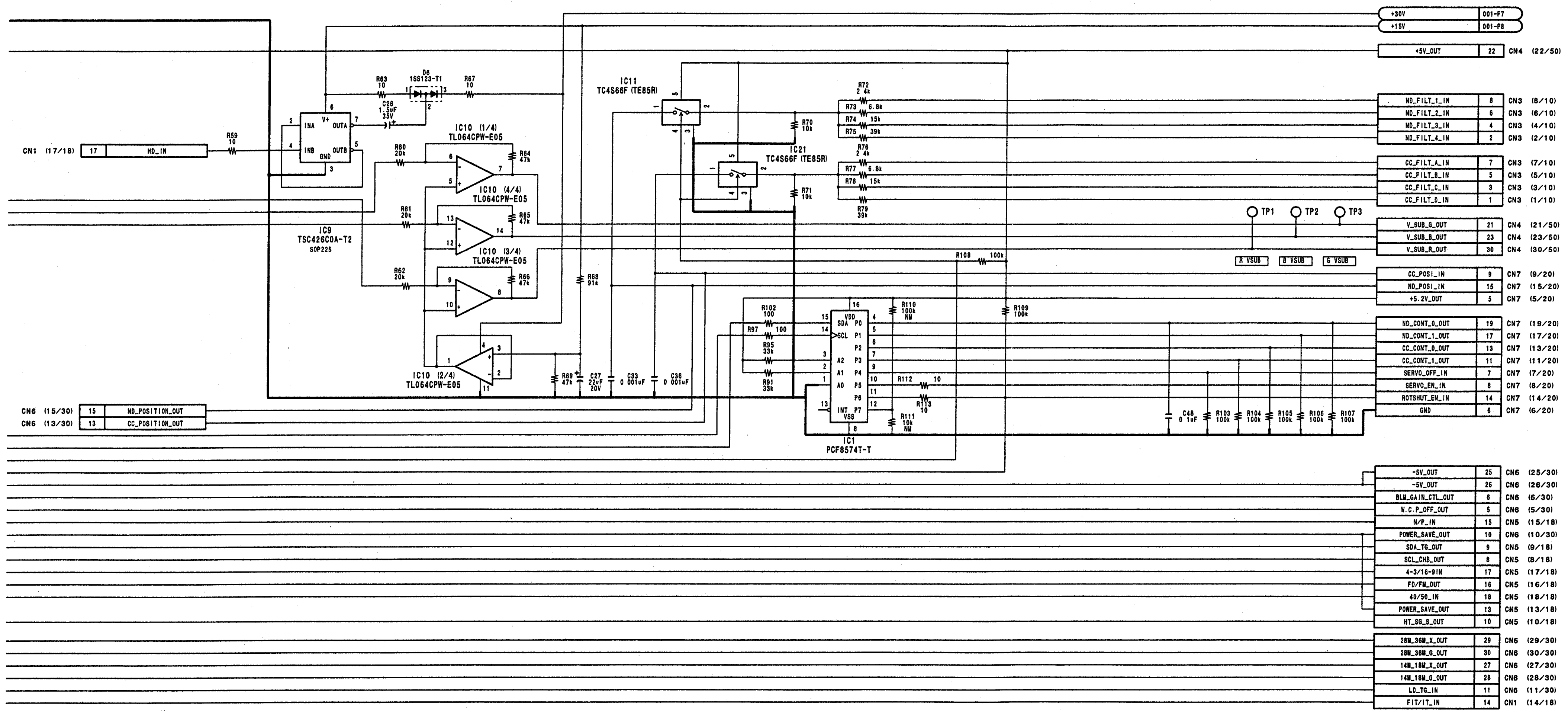
1

2

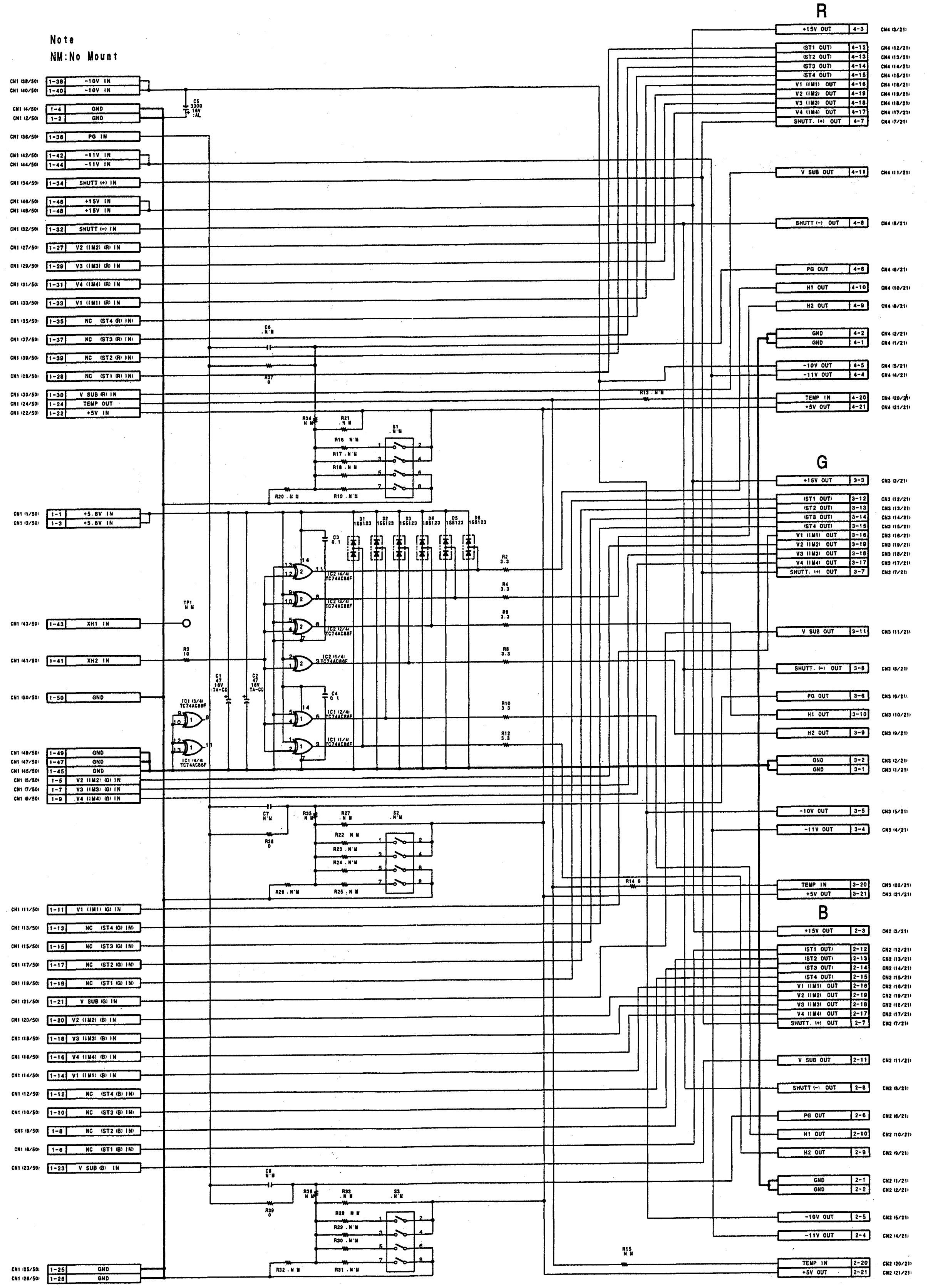
3

4

5


CN1 (17/18)
17
HD_IN
R59
10
IC9
TSC426COA-T2
SOP225
INA
INB
V+
OUTA
OUTB
GND
R63
10
D6
1SS123-T1
R67
10
C26
1.5uF
35V
IC10 (1/4)
TL064CPW-E05
IC10 (4/4)
TL064CPW-E05
IC10 (3/4)
TL064CPW-E05
IC10 (2/4)
TL064CPW-E05
R60
20k
R61
20k
R62
20k
R64
47k
R65
47k
R66
47k
R68
91k
R69
47k
C27
22uF
20V
C33
0 001uF
C36
0 001uF
IC11
TC4S66F (TE85R)
IC21
TC4S66F (TE85R)
R70
10k
R71
10k
R72
2 4k
R73 6.8k
R74 15k
R75 39k
R76
2 4k
R77 6.8k
R78 15k
R79
39k
R102
100
R97 100
R95
33k
R91
33k
IC1
PCF8574T-T
VDD
SDA
SCL
A2
A1
A0
INT
VSS
P0
P1
P2
P3
P4
P5
P6
P7
R110
100k
NM
R111
10k
NM
R112 10
R113
10
R108 100k
R109
100k
CN6 (15/30)
15
ND_POSITION_OUT
CN6 (13/30)
13
CC_POSITION_OUT
TP1
TP2
TP3
R VSUB
B VSUB
G VSUB
C48
0 1uF
R103
100k
R104
100k
R105
100k
R106
100k
R107
100k
+30V
001-F7
+15V
001-P8
+5V_OUT 22 CN4 (22/50)
ND_FILT_1_IN 8 CN3 (8/10)
ND_FILT_2_IN 6 CN3 (6/10)
ND_FILT_3_IN 4 CN3 (4/10)
ND_FILT_4_IN 2 CN3 (2/10)
CC_FILT_A_IN 7 CN3 (7/10)
CC_FILT_B_IN 5 CN3 (5/10)
CC_FILT_C_IN 3 CN3 (3/10)
CC_FILT_D_IN 1 CN3 (1/10)
V_SUB_G_OUT 21 CN4 (21/50)
V_SUB_B_OUT 23 CN4 (23/50)
V_SUB_R_OUT 30 CN4 (30/50)
CC_POSI_IN 9 CN7 (9/20)
ND_POSI_IN 15 CN7 (15/20)
+5.2V_OUT 5 CN7 (5/20)
ND_CONT_0_OUT 19 CN7 (19/20)
ND_CONT_1_OUT 17 CN7 (17/20)
CC_CONT_0_OUT 13 CN7 (13/20)
CC_CONT_1_OUT 11 CN7 (11/20)
SERVO_OFF_IN 7 CN7 (7/20)
SERVO_EN_IN 8 CN7 (8/20)
ROTSHUT_EN_IN 14 CN7 (14/20)
GND 6 CN7 (6/20)
-5V_OUT 25 CN6 (25/30)
-5V_OUT 26 CN6 (26/30)
BLM_GAIN_CTL_OUT 6 CN6 (6/30)
W.C.P_OFF_OUT 5 CN6 (5/30)
N/P_IN 15 CN5 (15/18)
POWER_SAVE_OUT 10 CN6 (10/30)
SDA_TG_OUT 9 CN5 (9/18)
SCL_CHB_OUT 8 CN5 (8/18)
4-3/16-9IN 17 CN5 (17/18)
FD/FM_OUT 16 CN5 (16/18)
40/50_IN 18 CN5 (18/18)
POWER_SAVE_OUT 13 CN5 (13/18)
HT_SG_S_OUT 10 CN5 (10/18)
28M_36M_X_OUT 29 CN6 (29/30)
28M_36M_G_OUT 30 CN6 (30/30)
14M_18M_X_OUT 27 CN6 (27/30)
14M_18M_G_OUT 28 CN6 (28/30)
LD_TG_IN 11 CN6 (11/30)
FIT/IT_IN 14 CN1 (14/18)

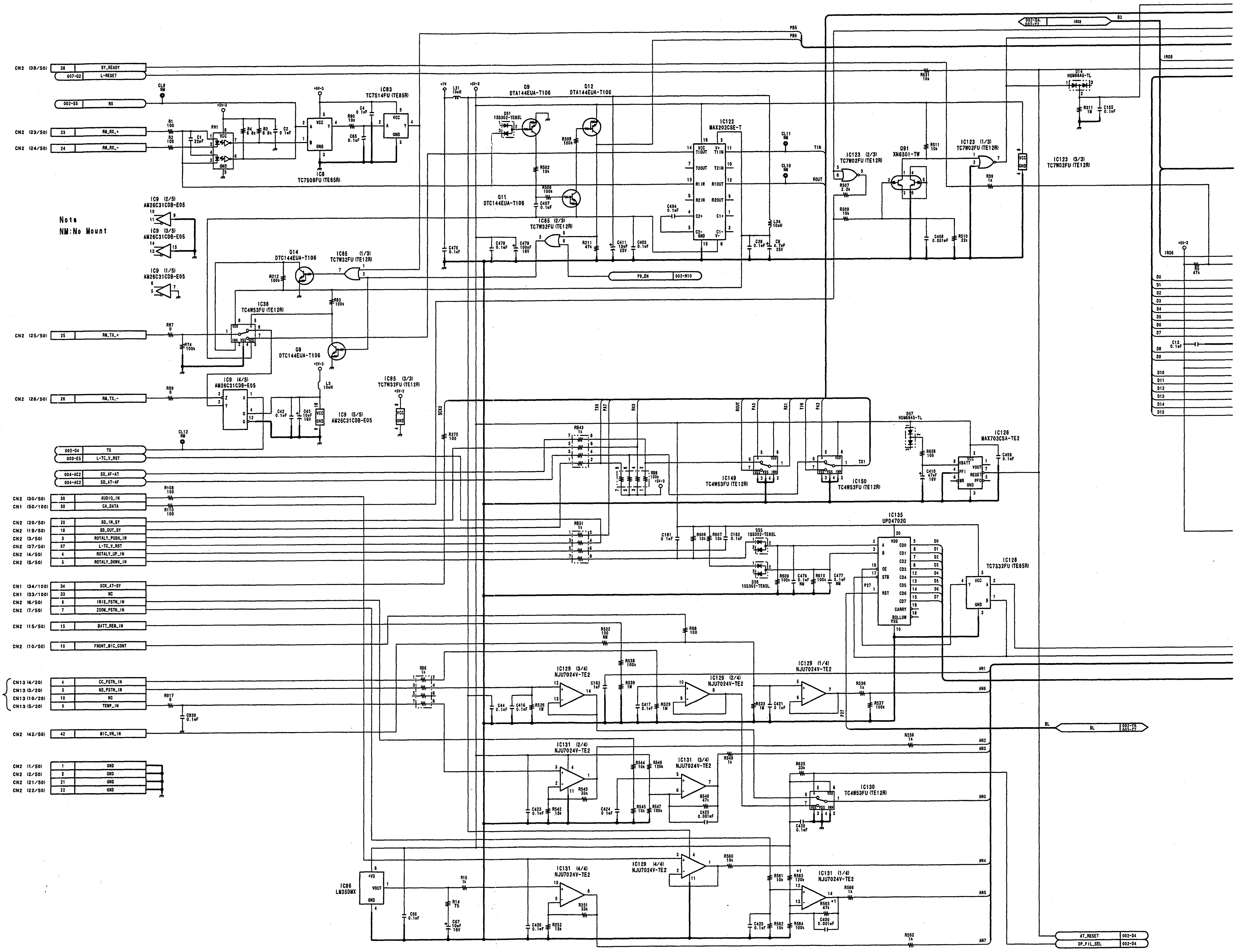
DR-387 (2/2)
LOT NO. 810-


Note
NM:No Mount
R
G
B

CN-1183
LOT NO. 810-

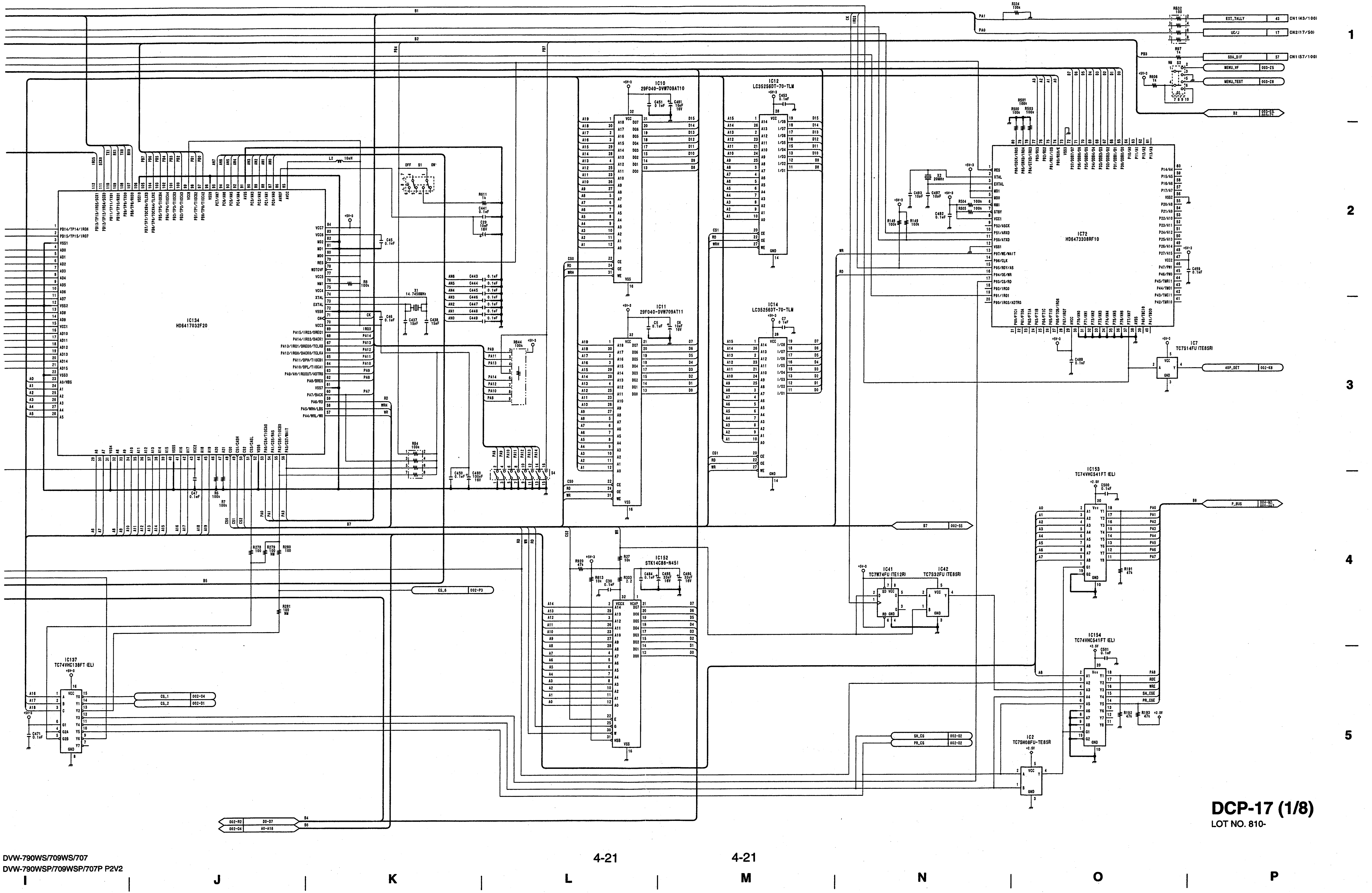
DCP-17 (1/8)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R565 47k → 33k R563 DELETED	10056 and higher (707 SY) 30011 and higher (707 J) 10106 and higher (709WS SY) 30006 and higher (709WS J/790WS J) 10091 and higher (790WS SY) 40121 and higher (707P) 40191 and higher (709WSP) 40336 and higher (790WSP)


Note
NM:No Mount
IC83 TC7S14FU (TE85R)
IC8 TC7S08FU (TE85R)
Q9 DTA144EUA-T106
Q12 DTA144EUA-T106
Q11 DTC144EUA-T106
IC132 MAX202CSE-T
IC123 (1/3) TC7W02FU (TE12R)
IC123 (2/3) TC7W02FU (TE12R)
IC123 (3/3) TC7W02FU (TE12R)
Q91 XN6501-TW
IC9 (1/5) AM26C31CDB-E05
IC9 (2/5) AM26C31CDB-E05
IC9 (3/5) AM26C31CDB-E05
IC9 (4/5) AM26C31CDB-E05
IC9 (5/5) AM26C31CDB-E05
Q14 DTC144EUA-T106
Q8 DTC144EUA-T106
IC85 (1/3) TC7W32FU (TE12R)
IC85 (2/3) TC7W32FU (TE12R)
IC85 (3/3) TC7W32FU (TE12R)
IC38 TC4W53FU (TE12R)
IC149 TC4W53FU (TE12R)
IC150 TC4W53FU (TE12R)
IC126 MAX703CSA-TE2
IC135 UPD4702G
IC128 TC7S32FU (TE85R)
IC129 (1/4) NJU7024V-TE2
IC129 (2/4) NJU7024V-TE2
IC129 (3/4) NJU7024V-TE2
IC129 (4/4) NJU7024V-TE2
IC131 (1/4) NJU7024V-TE2
IC131 (2/4) NJU7024V-TE2
IC131 (3/4) NJU7024V-TE2
IC131 (4/4) NJU7024V-TE2
IC130 TC4W53FU (TE12R)
IC86 LM35DMX
SY_READY
L-RESET
RX
RM_RX_+
RM_RX_-
RM_TX_+
RM_TX_-
TX
L-TC_V_RST
SD_AF-AT
SD_AT-AF
AUDIO_IN
CA_DATA
SD_IN_SY
SD_OUT_SY
ROTALY_PUSH_IN
L-TC_V_RST
ROTALY_UP_IN
ROTALY_DOWN_IN
SCK_AT-SY
NC
IRIS_PSTN_IN
ZOOM_PSTN_IN
BATT_REM_IN
FRONT_MIC_CONT
CC_PSTN_IN
ND_PSTN_IN
NC
TEMP_IN
MIC_VR_IN
GND
P9_EN
BL
AT_RESET
OP_FIL_SEL
CN2
CN1
CN13
CN8

4-20

DCP-17 (1/8)


IC134
HD6417032F20
IC10
29F040-DVW709AT10
IC11
29F040-DVW709AT11
IC12
LC35256DT-70-TLM
IC14
LC35256DT-70-TLM
IC72
HD6473308RF10
IC7
TC7S14FU (TE85R)
IC152
STK14C88-N45I
IC41
TC7W74FU (TE12R)
IC42
TC7S32FU (TE85R)
IC153
TC74VHC541FT (EL)
IC154
TC74VHC541FT (EL)
IC137
TC74VHC138FT (EL)
IC2
TC7SH08FU-TE85R
X1
14.7456MHz
X2
20MHz
S1
OFF ON
S2
S4
EXT_TALLY 43 CN1(43/100)
UC/J 17 CN2(17/50)
SDA_DIF 57 CN1(57/100)
MENU_VF 003-Z5
MENU_TEST 003-Z6
B2 003-Z5
40P_SET 002-K8
P_BUS 002-R2
B7 002-S5
CS_6 002-P3
CS_1 002-O4
CS_2 002-O1
SH_CS 002-Q2
PR_CS 002-Q2
002-R2 D0-D7
002-O4 A0-A18
1
2
3
4
5
I
J
K
L
M
N
O
P

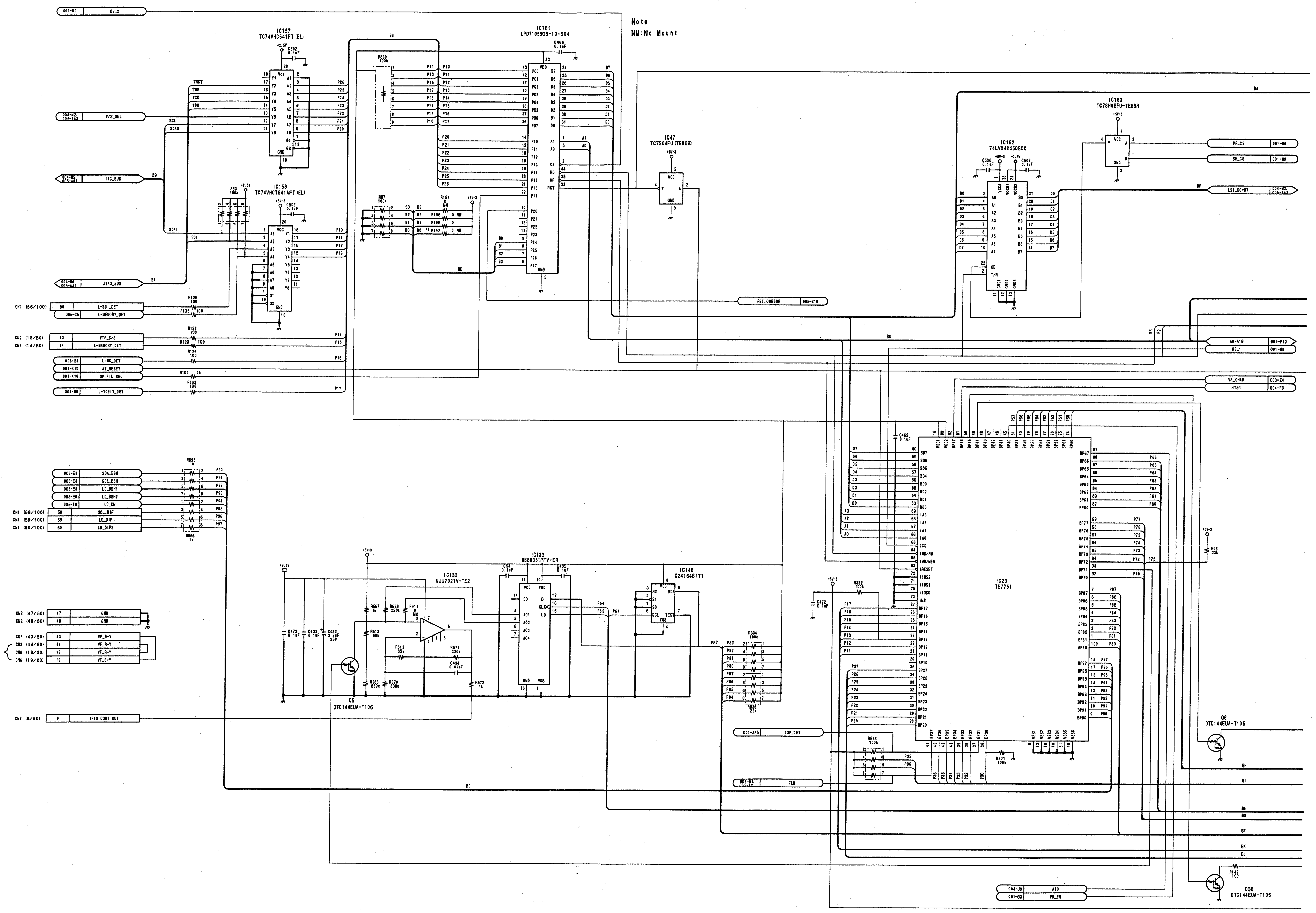
DCP-17 (1/8)

LOT NO. 810-

4-21

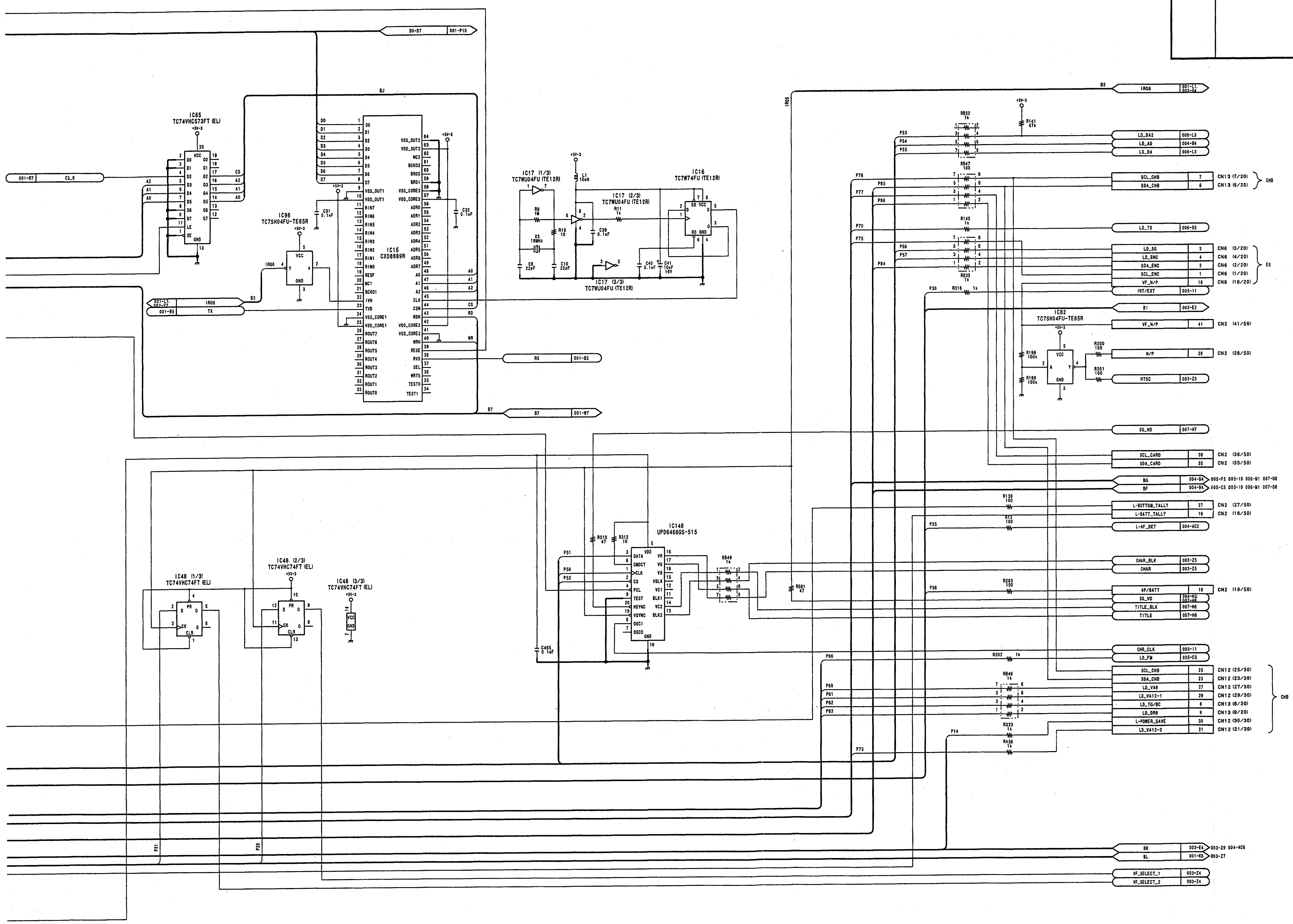
DCP-17 (2/8)

DCP-17 (2/8)


Note
NM:No Mount
IC157
TC74VHC541FT (EL)
IC158
TC74VHCT541AFT (EL)
IC161
UPD71055GB-10-3B4
IC47
TC7S04FU (TE85R)
IC162
74LVX4245QSCX
IC163
TC7SH08FU-TE85R
IC23
TE7751
IC132
NJU7021V-TE2
IC133
MB88351PFV-ER
IC140
X24164SIT1
Q5
DTC144EUA-T106
Q6
DTC144EUA-T106
Q38
DTC144EUA-T106
CS_2
P/S_SEL
IIC_BUS
JTAG_BUS
CN1 (56/100) 56 L-SDI_DET
005-C5 L-MEMORY_DET
CN2 (13/50) 13 VTR_S/S
CN2 (14/50) 14 L-MEMORY_DET
006-B4 L-RC_DET
001-K10 AT_RESET
001-K10 OP_FIL_SEL
004-R9 L-10BIT_DET
008-E8 SDA_BSH
008-E8 SCL_BSH
008-E8 LD_BSH1
008-E8 LD_BSH2
005-I9 LD_CN
CN1 (58/100) 58 SCL_DIF
CN1 (59/100) 59 LD_DIF
CN1 (60/100) 60 LD_DIF2
CN2 (47/50) 47 GND
CN2 (48/50) 48 GND
CN2 (43/50) 43 VF_B-Y
CN2 (44/50) 44 VF_R-Y
CN6 (18/20) 18 VF_R-Y
CN6 (19/20) 19 VF_B-Y
ES
CN2 (9/50) 9 IRIS_CONT_OUT
RET_CURSOR 005-Z10
PR_CS 001-W9
SH_CS 001-W9
LSI_D0-D7 004-M2, 005-AA3
A0-A18 001-P10
CS_1 001-08
VF_CHAR 003-Z4
HTSG 004-F3
001-AA5 40P_DET
FLD
004-J3 A13
001-G5 P9_EN
1
2
3
4
5
A
B
C
D
E
F
G
H

DCP-17 (2/8)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R197 ADDED	10056 and higher (707 SY) 30011 and higher (707 J) 10106 and higher (709WS SY) 30006 and higher (709WS J/790WS J) 10091 and higher (790WS SY) 40121 and higher (707P) 40191 and higher (709WSP) 40336 and higher (790WSP)


IC65
TC74VHC573FT (EL)
IC15
CXD8889R
IC96
TC7SH04FU-TE85R
IC17 (1/3)
TC7WU04FU (TE12R)
IC17 (2/3)
TC7WU04FU (TE12R)
IC17 (3/3)
TC7WU04FU (TE12R)
IC16
TC7W74FU (TE12R)
IC82
TC7SH04FU-TE85R
IC148
UPD6466GS-515
IC48 (1/3)
TC74VHC74FT (EL)
IC48 (2/3)
TC74VHC74FT (EL)
IC48 (3/3)
TC74VHC74FT (EL)
D0-D7
CS_6
IR06
TX
RX
B7
LD_DA2
LD_AD
LD_DA
SCL_CHB
SDA_CHB
CN13 (7/20)
CN13 (6/20)
CHB
LD_TS
LD_SG
LD_ENC
SDA_ENC
SCL_ENC
VF_N/P
INT/EXT
CN6 (3/20)
CN6 (4/20)
CN6 (2/20)
CN6 (1/20)
CN6 (16/20)
ES
BI
VF_N/P
CN2 (41/50)
N/P
CN2 (28/50)
NTSC
SG_HD
SCL_CARD
SDA_CARD
CN2 (36/50)
CN2 (35/50)
BG
BF
L-BOTTOM_TALLY
L-BATT_TALLY
CN2 (27/50)
CN2 (16/50)
L-AF_DET
CHAR_BLK
CHAR
4P/BATT
SG_VD
TITLE_BLK
TITLE
CN2 (18/50)
CHR_CLK
LD_FM
SCL_CHB
SDA_CHB
LD_VAR
LD_VA12-1
LD_TG/BC
LD_DRB
L-POWER_SAVE
LD_VA12-2
CN12 (25/30)
CN12 (23/30)
CN12 (27/30)
CN12 (29/30)
CN13 (8/20)
CN13 (9/20)
CN12 (30/30)
CN12 (21/30)
CHB
BK
BL
VF_SELECT_1
VF_SELECT_2
1
2
3
4
5
I
J
K
L
M
N
O
P

DCP-17 (2/8)

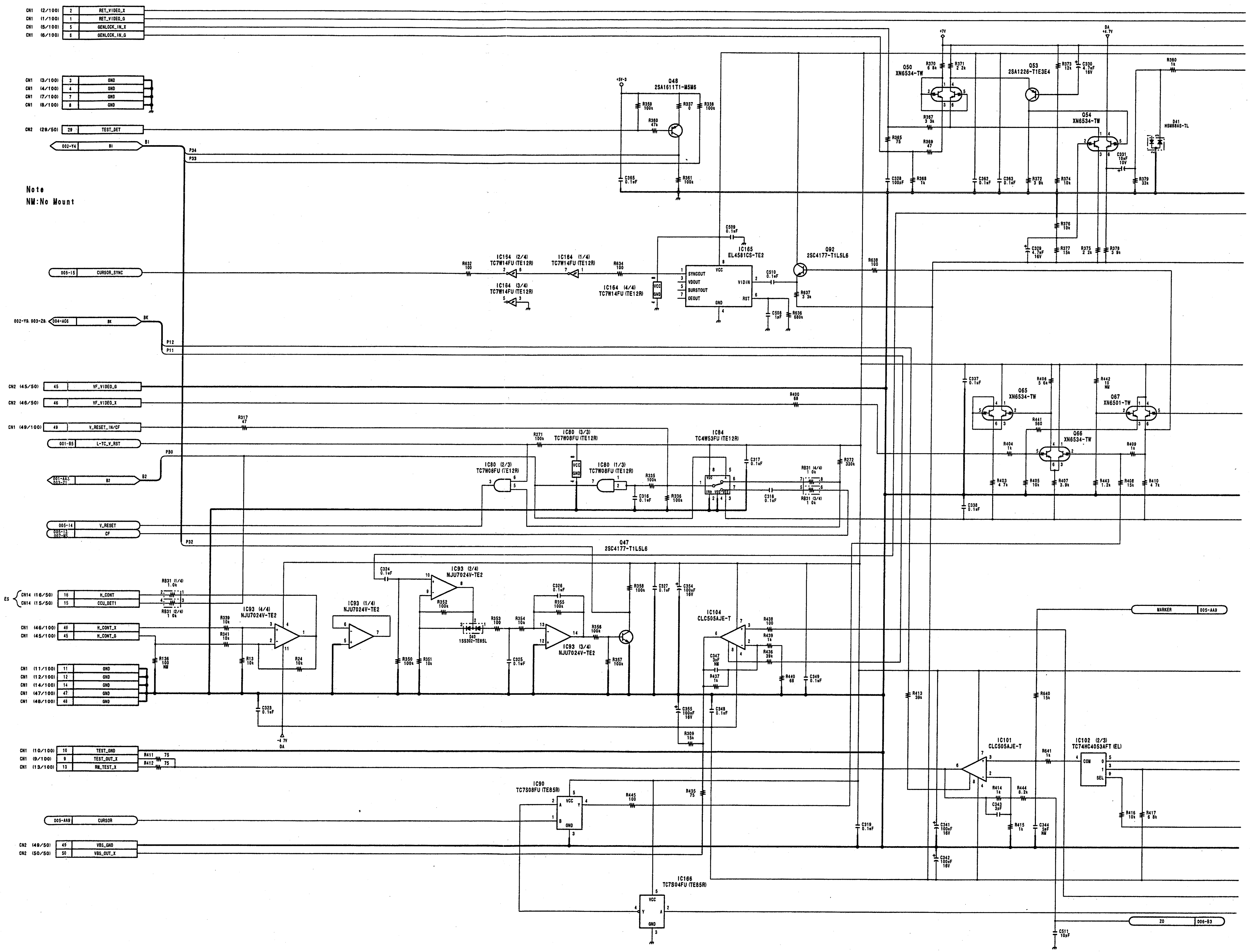
LOT NO. 810-

4-23

DCP-17 (3/8)

DCP-17 (3/8)

Note
NM:No Mount


CN1 (2/100) 2 RET_VIDEO_X
CN1 (1/100) 1 RET_VIDEO_G
CN1 (5/100) 5 GENLOCK_IN_X
CN1 (6/100) 6 GENLOCK_IN_G
CN1 (3/100) 3 GND
CN1 (4/100) 4 GND
CN1 (7/100) 7 GND
CN1 (8/100) 8 GND
CN2 (29/50) 29 TEST_DET
002-Y4 BI
B1
P34
P33
005-15 CURSOR_SYNC
002-Y8, 003-Z8, 004-AC6 BK
P12
P11
CN2 (45/50) 45 VF_VIDEO_G
CN2 (46/50) 46 VF_VIDEO_X
CN1 (49/100) 49 V_RESET_IN/CF
001-B5 L-TC_V_RST
P30
B2
005-14 V_RESET
005-12, 007-M5 CF
P32
ES
CN14 (16/50) 16 H_CONT
CN14 (15/50) 15 CCU_DET1
CN1 (46/100) 46 H_CONT_X
CN1 (45/100) 45 H_CONT_G
CN1 (11/100) 11 GND
CN1 (12/100) 12 GND
CN1 (14/100) 14 GND
CN1 (47/100) 47 GND
CN1 (48/100) 48 GND
CN1 (10/100) 10 TEST_GND
CN1 (9/100) 9 TEST_OUT_X
CN1 (13/100) 13 RM_TEST_X
005-AA9 CURSOR
CN2 (49/50) 49 VBS_GND
CN2 (50/50) 50 VBS_OUT_X
RB31 (1/4) 1.0k
RB31 (2/4) 1.0k
R339 10k
R341 10k
R136 100 NM
R13 10k
R24 10k
C323 0.1uF
-4.7V DA
R411 75
R412 75
IC93 (4/4) NJU7024V-TE2
IC93 (1/4) NJU7024V-TE2
IC93 (2/4) NJU7024V-TE2
IC93 (3/4) NJU7024V-TE2
C324 0.1uF
D42 1SS302-TE85L
R317 47
IC154 (2/4) TC7W14FU (TE12R)
IC164 (1/4) TC7W14FU (TE12R)
IC164 (3/4) TC7W14FU (TE12R)
IC164 (4/4) TC7W14FU (TE12R)
R632 100
R634 100
IC165 EL4581CS-TE2
SYNCOUT
VDOUT
BURSTOUT
OEOUT
VIDIN
RST
VCC
GND
C509 0.1uF
C510 0.1uF
C508 1pF
R636 680k
R637 3.3k
Q92 2SC4177-T1L5L6
R638 100
+5V-3
Q48 2SA1611T1-M5M6
R359 100k
R360 47k
R337 0
R338 100k
C365 0.1uF
R361 100k
IC80 (3/3) TC7W08FU (TE12R)
IC80 (2/3) TC7W08FU (TE12R)
IC80 (1/3) TC7W08FU (TE12R)
R271 100k
R335 100k
R336 100k
C316 0.1uF
IC84 TC4W53FU (TE12R)
C317 0.1uF
C318 0.1uF
RB31 (4/4) 1.0k
RB31 (3/4) 1.0k
R272 330k
Q47 2SC4177-T1L5L6
R358 100k
C327 0.1uF
C354 100uF 16V
C326 0.1uF
R355 100k
R352 100k
R353 100
R354 10k
R356 100k
R350 100k
R351 10k
C325 0.1uF
R357 100k
IC104 CLC505AJE-T
R438 100
R439 1k
R436 39k
C347 3pF NM
R437 1k
R440 68
C349 0.1uF
C355 100uF 16V
C348 0.1uF
R309 15k
IC90 TC7S08FU (TE85R)
R445 100
R435 75
IC166 TC7S04FU (TE85R)
+7V
Q50 XN6534-TW
R370 6.8k
R371 2.2k
R367 3.3k
R365 75
R369 47
C328 100pF
R368 1k
C362 0.1uF
C363 0.1uF
Q53 2SA1226-T1E3E4
R372 3.9k
R373 12k
C330 4.7uF 16V
R374 10k
DA +4.7V
Q54 XN6534-TW
C331 10uF 10V
R379 33k
R380 1k
D41 HSM88AS-TL
R376 10k
C329 4.7uF 16V
R377 15k
R375 2.2k
R378 3.9k
R400 68
C337 0.1uF
R406 5.6k
Q65 XN6534-TW
R441 560
R442 10 NM
Q67 XN6501-TW
Q66 XN6534-TW
R404 1k
R409 1k
R403 4.7k
R405 10k
R407 3.9k
R443 1.2k
R408 15k
R410 4.7k
C338 0.1uF
MARKER 005-AA9
R413 39k
R640 15k
IC101 CLC505AJE-T
R641 1k
IC102 (2/3) TC74HC4053AFT (EL)
COM
SEL
R414 1k
R444 8.2k
C343 3pF
R415 1k
C344 5pF NM
C319 0.1uF
C341 100uF 16V
C342 100uF 16V
R416 10k
R417 6.8k
ZO 006-B3
C511 10pF
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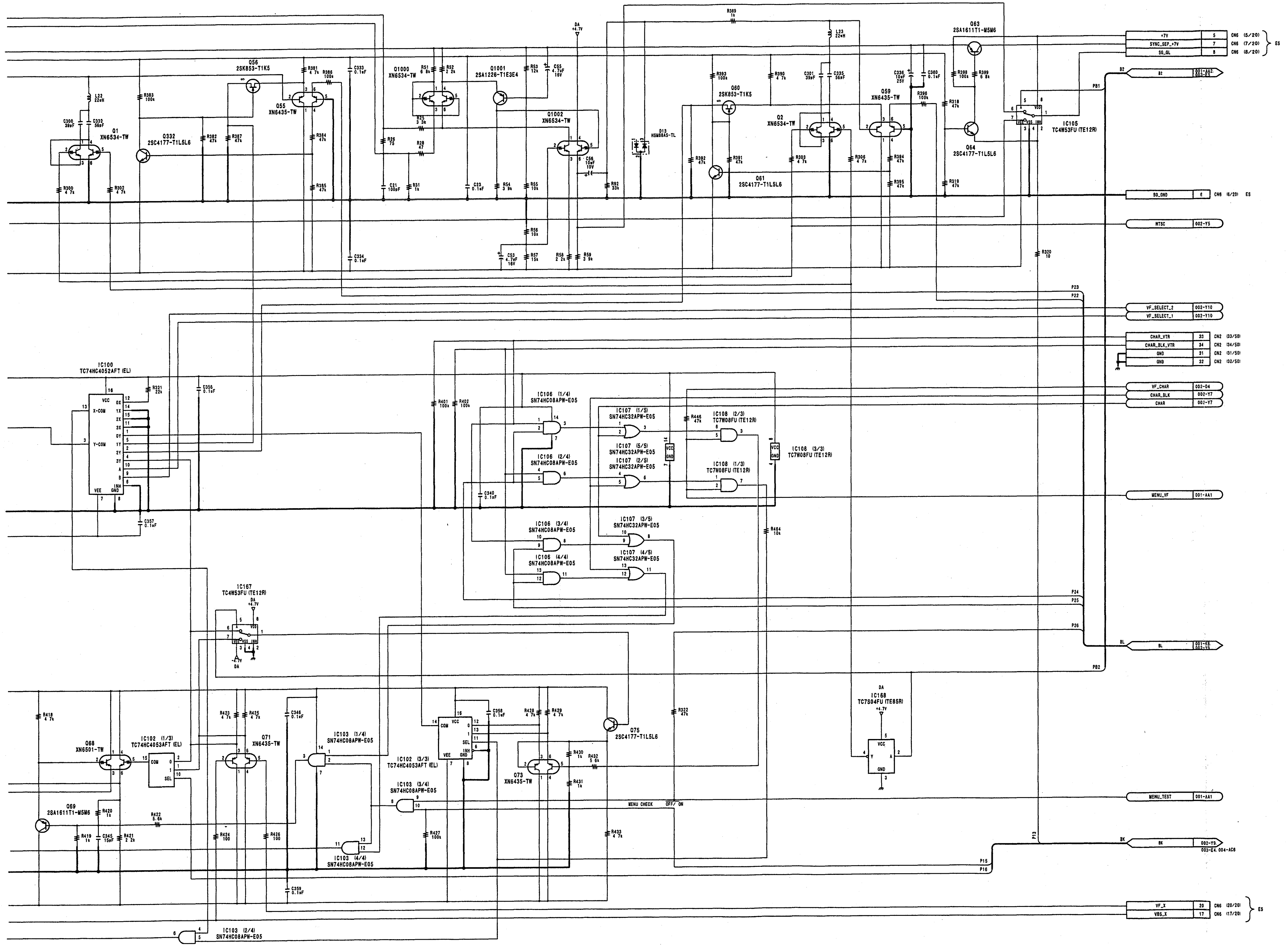
4-24


IC100
TC74HC4053AFT (EL)
Q1
XN6534-TW
Q332
2SC4177-T1L5L6
Q56
2SK853-T1K5
Q55
XN6435-TW
Q1000
XN6534-TW
Q1001
2SA1226-T1E3E4
Q1002
XN6534-TW
D13
HSM88AS-TL
Q60
2SK853-T1K5
Q2
XN6534-TW
Q61
2SC4177-T1L5L6
Q59
XN6435-TW
Q63
2SA1611T1-M5M6
Q64
2SC4177-T1L5L6
IC105
TC4W53FU (TE12R)
IC106 (1/4)
SN74HC08APW-E05
IC106 (2/4)
SN74HC08APW-E05
IC106 (3/4)
SN74HC08APW-E05
IC106 (4/4)
SN74HC08APW-E05
IC107 (1/5)
SN74HC32APW-E05
IC107 (2/5)
SN74HC32APW-E05
IC107 (3/5)
SN74HC32APW-E05
IC107 (4/5)
SN74HC32APW-E05
IC107 (5/5)
IC108 (1/3)
TC7W08FU (TE12R)
IC108 (2/3)
TC7W08FU (TE12R)
IC108 (3/3)
TC7W08FU (TE12R)
IC167
TC4W53FU (TE12R)
IC168
TC7S04FU (TE85R)
Q68
XN6501-TW
Q69
2SA1611T1-M5M6
IC102 (1/3)
TC74HC4053AFT (EL)
IC102 (3/3)
TC74HC4053AFT (EL)
Q71
XN6435-TW
IC103 (1/4)
SN74HC08APW-E05
IC103 (2/4)
SN74HC08APW-E05
IC103 (3/4)
SN74HC08APW-E05
IC103 (4/4)
SN74HC08APW-E05
Q73
XN6435-TW
Q75
2SC4177-T1L5L6
MENU CHECK
OFF/ ON
DA
+4.7V
+7V 5 CN6 (5/20)
SYNC_SEP_+7V 7 CN6 (7/20)
SG_GL 8 CN6 (8/20)
ES
B2
B2 001-AA2. 003-E5
PB1
R320
10
SG_GND E CN6 (6/20) ES
NTSC 002-Y5
P23
P22
VF_SELECT_2 002-Y10
VF_SELECT_1 002-Y10
CHAR_VTR 33 CN2 (33/50)
CHAR_BLK_VTR 34 CN2 (34/50)
GND 31 CN2 (31/50)
GND 32 CN2 (32/50)
VF_CHAR 002-04
CHAR_BLK 002-Y7
CHAR 002-Y7
MENU_VF 001-AA1
P24
P25
P26
BL
BL 001-K8. 002-Y9
PB2
MENU_TEST 001-AA1
P13
BK
BK 002-Y9. 003-E4. 004-AC6
P15
P16
VF_X 20 CN6 (20/20)
VBS_X 17 CN6 (17/20)
ES
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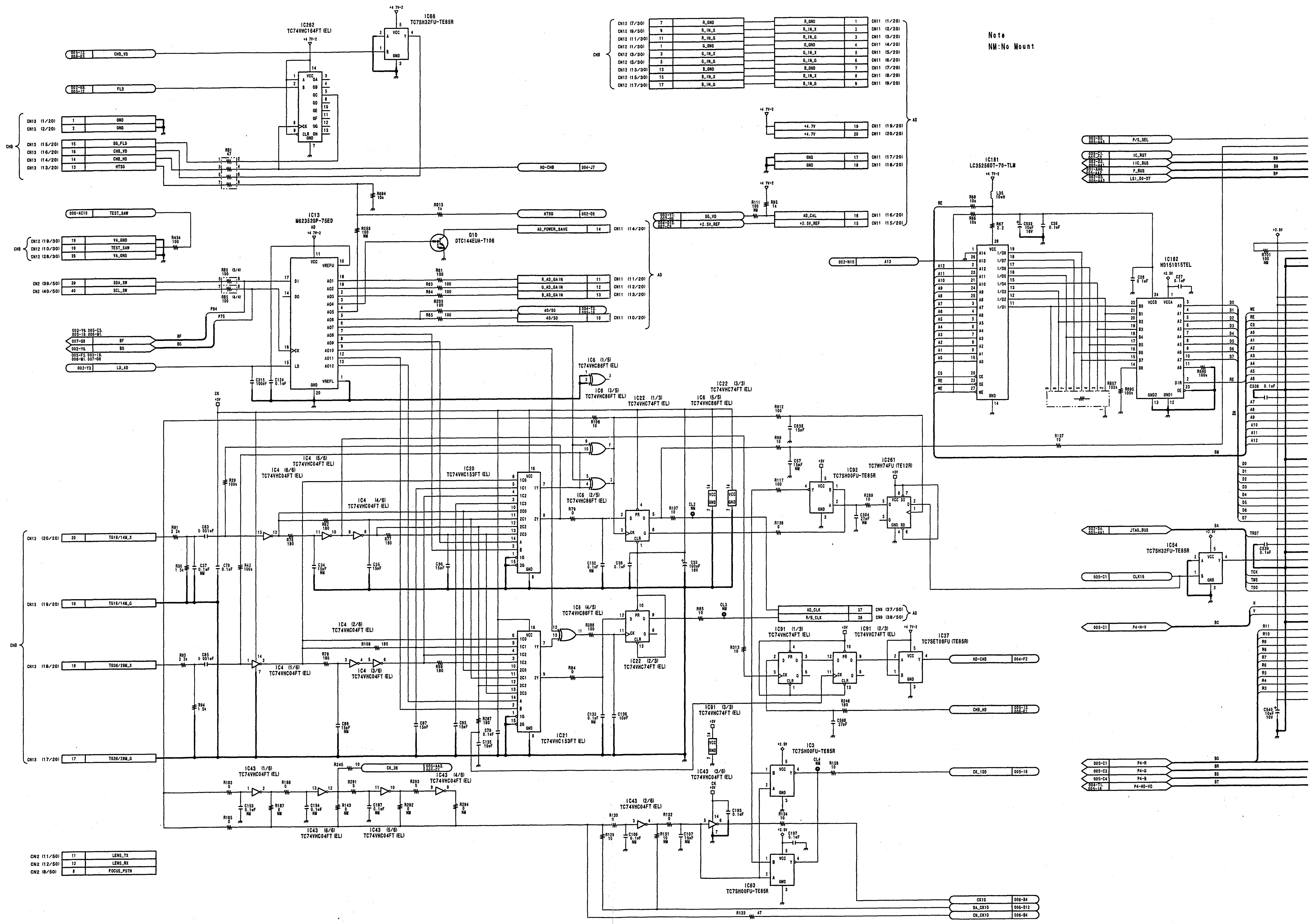
DCP-17 (3/8)
LOT NO. 810-

DCP-17 (4/8)

DCP-17 (4/8)


1
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Note
NM:No Mount
IC262
TC74VHC164FT (EL)
IC66
TC7SH32FU-TE85R
IC13
M62352GP-75ED
Q10
DTC144EUA-T106
IC181
LC35256DT-70-TLM
IC182
HD151015TEL
IC6 (1/5)
TC74VHC86FT (EL)
IC22 (1/3)
TC74VHC74FT (EL)
IC22 (3/3)
TC74VHC74FT (EL)
IC20
TC74VHC153FT (EL)
IC21
TC74VHC153FT (EL)
IC4 (5/6)
TC74VHC04FT (EL)
IC261
TC7WH74FU (TE12R)
IC92
TC7SH00FU-TE85R
IC54
TC7SH32FU-TE85R
IC91 (1/3)
TC74VHC74FT (EL)
IC37
TC7SET08FU (TE85R)
IC43 (1/6)
TC74VHC04FT (EL)
IC3
TC7SH00FU-TE85R
IC63
TC7SH00FU-TE85R
CN13
CN12
CN11
CN2
CN9
CHB
HD-CHB
HTSG
AD_POWER_SAVE
R_AD_GAIN
G_AD_GAIN
B_AD_GAIN
40/50
SG_VD
AD_CAL
+2.5V_REF
JTAG_BUS
CLK18
P4-H-V
AD_CLK
R/G_CLK
CHB_HD
CK_130
CK10
DA_CK10
CN_CK10
LENS_TX
LENS_RX
FOCUS_PSTN
TG18/14M_X
TG18/14M_G
TG36/28M_X
TG36/28M_G
P/S_SEL
IC_RST
IIC_BUS
P_BUS
LS1_D0-D7
P4-R
P4-G
P4-B
P4-HD-VD

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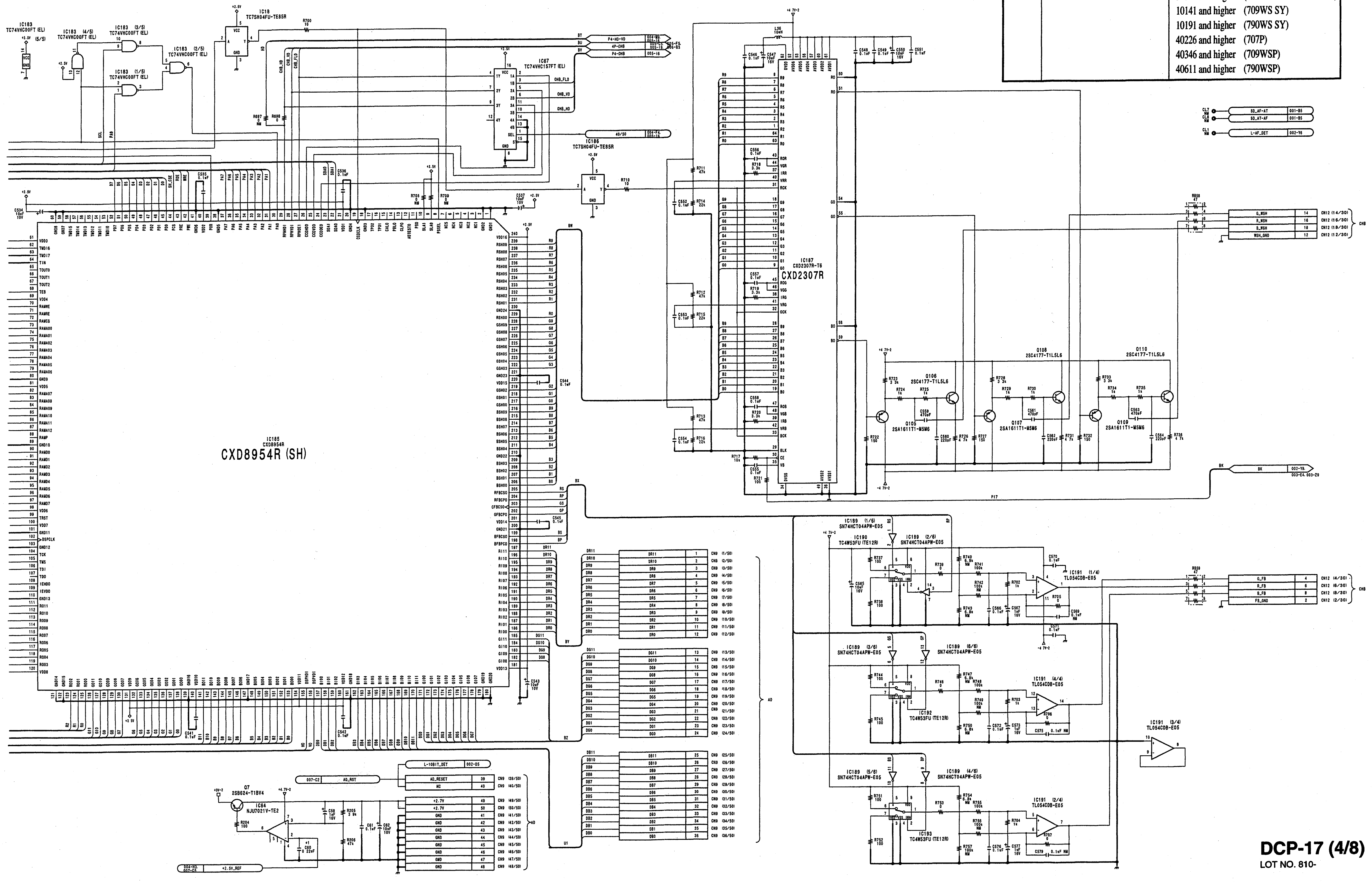
DCP-17 (4/8)

DCP-17 (4/8)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	C60 0.1uF → 0.22uF	10056 and higher (707 SY) 30016 and higher (707 J/709WS J/ 790WS J) 10141 and higher (709WS SY) 10191 and higher (790WS SY) 40226 and higher (707P) 40346 and higher (709WSP) 40611 and higher (790WSP)


IC183 TC74VHC00FT (EL)
IC18 TC7SH04FU-TE85R
IC67 TC74VHC157FT (EL)
IC186 TC7SH04FU-TE85R
IC185 CXD8954R
CXD8954R (SH)
IC187 CXD2307R-T6
CXD2307R
Q105 2SA1611T1-M5M6
Q106 2SC4177-T1L5L6
Q107 2SA1611T1-M5M6
Q108 2SC4177-T1L5L6
Q109 2SA1611T1-M5M6
Q110 2SC4177-T1L5L6
IC189 SN74HCT04APW-E05
IC190 TC4W53FU (TE12R)
IC191 TL054CDB-E05
IC192 TC4W53FU (TE12R)
IC193 TC4W53FU (TE12R)
Q7 2SB624-T1BV4
IC64 NJU7021V-TE2
P4-HD-VD
4P-CHB
P4-CHB
SD_AF-AT
SD_AT-AF
L-AF_DET
G_WSH
R_WSH
B_WSH
WSH_GND
G_FB
R_FB
B_FB
FB_GND
CN12
CN9
AD_RESET
L-10BIT_DET
AD_RST
+2.5V_REF
BK
1
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DCP-17 (4/8)
LOT NO. 810-

DCP-17 (5/8)

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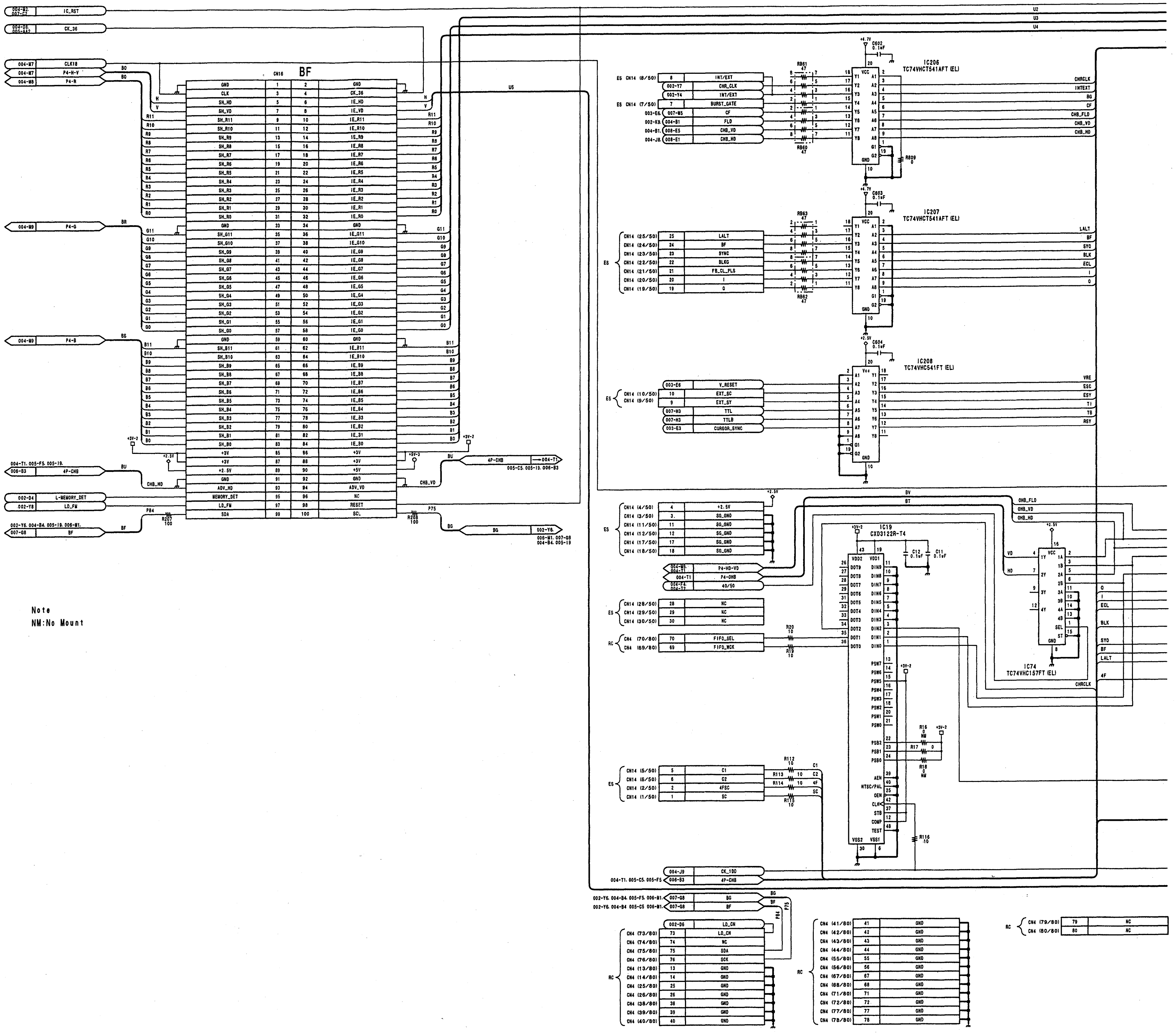
CN16 BF
IC206 TC74VHCT541AFT (EL)
IC207 TC74VHCT541AFT (EL)
IC208 TC74VHC541FT (EL)
IC19 CXD3122R-T4
IC74 TC74VHC157FT (EL)
Note
NM:No Mount

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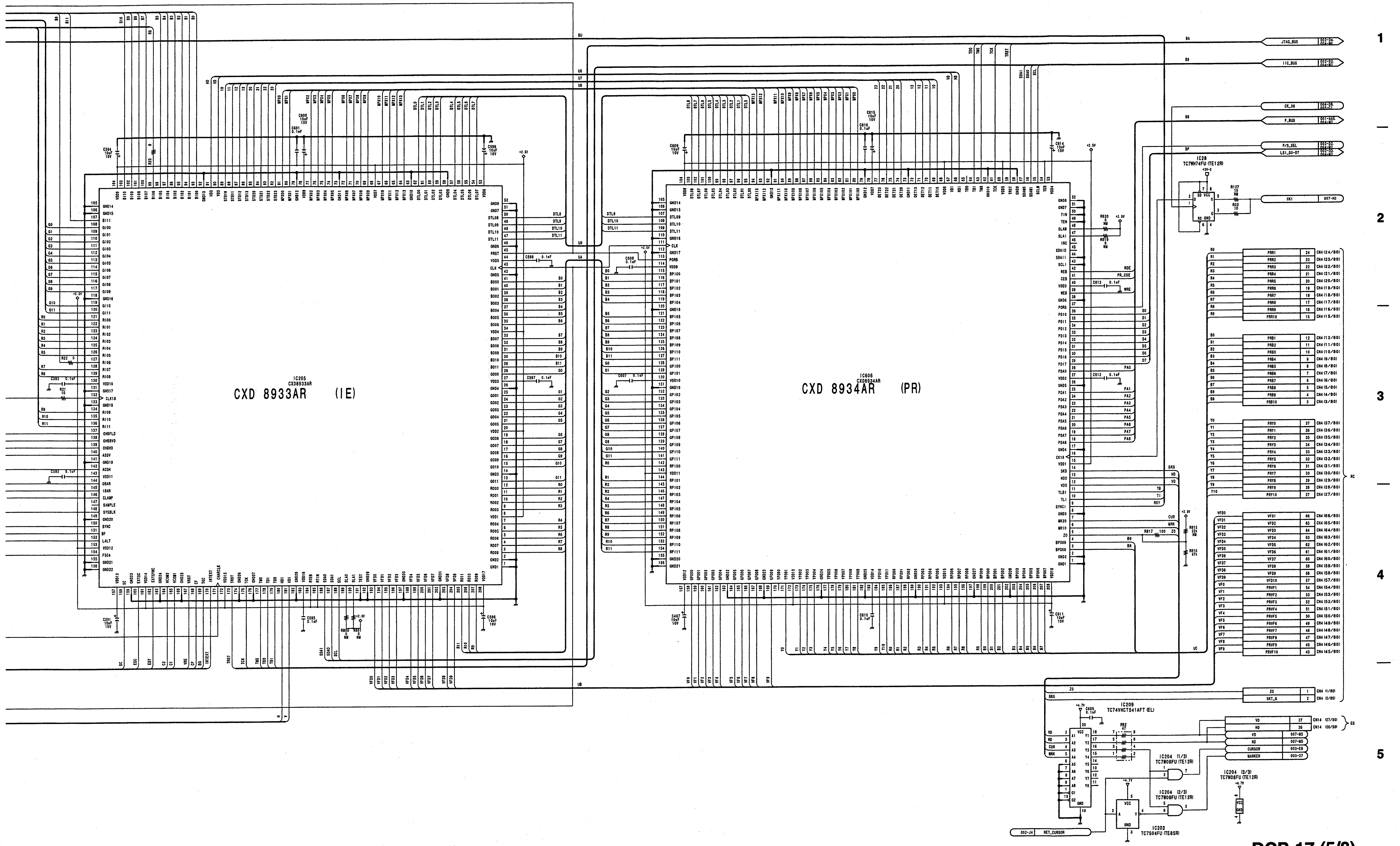
A | B | C | D | E | F | G | H

DCP-17 (5/8)


IC205
CXD8933AR
CXD 8933AR (IE)
IC606
CXD8934AR
CXD 8934AR (PR)
IC28
TC7WH74FU (TE12R)
IC209
TC74VHCT541AFT (EL)
IC204 (1/3)
TC7W08FU (TE12R)
IC204 (2/3)
TC7W08FU (TE12R)
IC204 (3/3)
TC7W08FU (TE12R)
IC203
TC7S04FU (TE85R)
JTAG_BUS
IIC_BUS
CK_36
P_BUS
P/S_SEL
LSI_D0-D7
CK1
RET_CURSOR
RC
ES
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DCP-17 (5/8)

LOT NO. 810-

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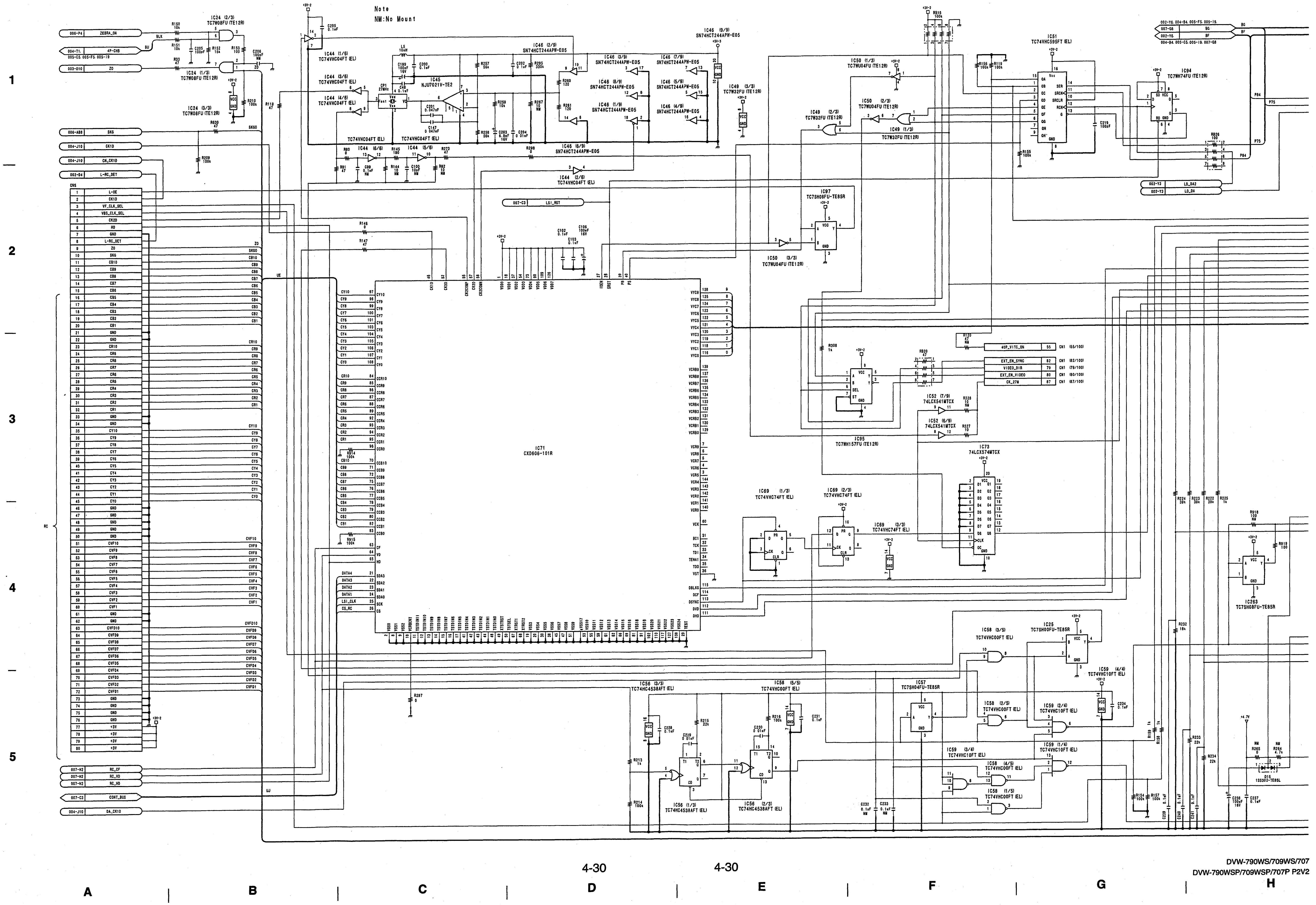
DCP-17 (6/8)

DCP-17 (6/8)


Note
NM:No Mount
IC24 (2/3) TC7W08FU (TE12R)
IC24 (1/3) TC7W08FU (TE12R)
IC24 (3/3) TC7W08FU (TE12R)
IC44 (1/6) TC74VHC04FT (EL)
IC44 (3/6) TC74VHC04FT (EL)
IC44 (4/6) TC74VHC04FT (EL)
IC44 (6/6)
IC44 (5/6)
IC44 (2/6) TC74VHC04FT (EL)
IC45 NJU7021V-TE2
IC46 (2/9) SN74HCT244APW-E05
IC46 (3/9) SN74HCT244APW-E05
IC46 (8/9) SN74HCT244APW-E05
IC46 (1/9) SN74HCT244APW-E05
IC46 (6/9) SN74HCT244APW-E05
IC46 (7/9) SN74HCT244APW-E05
IC46 (5/9) SN74HCT244APW-E05
IC46 (4/9) SN74HCT244APW-E05
IC46 (9/9) SN74HCT244APW-E05
IC49 (3/3) TC7W32FU (TE12R)
IC49 (2/3) TC7W32FU (TE12R)
IC49 (1/3) TC7W32FU (TE12R)
IC50 (1/3) TC7WU04FU (TE12R)
IC50 (2/3) TC7WU04FU (TE12R)
IC50 (3/3) TC7WU04FU (TE12R)
IC51 TC74VHC595FT (EL)
IC94 TC7WH74FU (TE12R)
IC97 TC7SH08FU-TE85R
IC71 CXD606-101R
IC95 TC7WH157FU (TE12R)
IC52 (7/9) 74LCX541MTCX
IC52 (6/9) 74LCX541MTCX
IC73 74LCX574MTCX
IC69 (1/3) TC74VHC74FT (EL)
IC69 (2/3) TC74VHC74FT (EL)
IC69 (3/3) TC74VHC74FT (EL)
IC263 TC7SH08FU-TE85R
IC58 (3/5) TC74VHC00FT (EL)
IC25 TC7SH00FU-TE85R
IC59 (4/4) TC74VHC10FT (EL)
IC56 (3/3) TC74HC4538AFT (EL)
IC58 (5/5) TC74VHC00FT (EL)
IC57 TC7SH04FU-TE85R
IC58 (2/5) TC74VHC00FT (EL)
IC59 (2/4) TC74VHC10FT (EL)
IC59 (3/4) TC74VHC10FT (EL)
IC58 (4/5) TC74VHC00FT (EL)
IC59 (1/4) TC74VHC10FT (EL)
IC58 (1/5) TC74VHC00FT (EL)
IC56 (1/3) TC74HC4538AFT (EL)
IC56 (2/3) TC74HC4538AFT (EL)
D15 1SS372-TE85L
006-P4 ZEBRA_ON
004-T1 4P-CHS
003-010 ZO
006-A88 SKG
004-J10 CK1D
004-J10 CH_CK1D
002-D4 L-RC_DET
007-C3 LS1_RST
40P_VITC_ON
EXT_EN_SYNC
VIDEO_DIR
EXT_EN_VIDEO
CK_27M
002-Y3 LO_DA2
002-Y3 LO_DA
007-H2 RC_CF
007-H2 RC_VD
007-H2 RC_HD
007-C3 CONT_BUS
004-J10 DA_CK1D
CN5
RC
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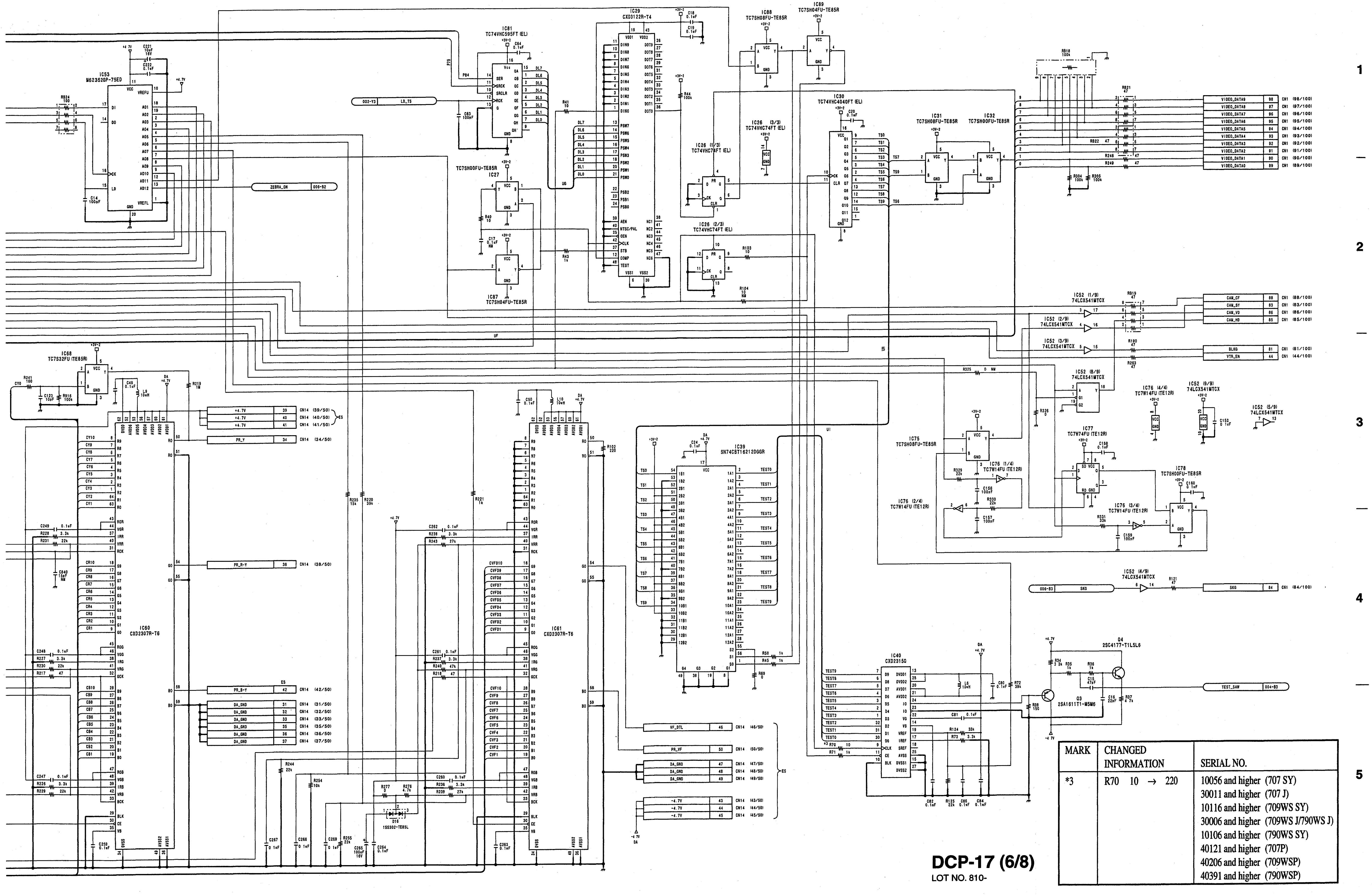
DCP-17 (6/8)


IC53
M62352GP-75ED
IC81
TC74VHC595FT (EL)
IC29
CXD3122R-T4
IC88
TC7SH08FU-TE85R
IC89
TC7SH04FU-TE85R
IC30
TC74VHC4040FT (EL)
IC31
TC7SH08FU-TE85R
IC32
TC7SH00FU-TE85R
IC26 (1/3)
TC74VHC74FT (EL)
IC26 (2/3)
TC74VHC74FT (EL)
IC26 (3/3)
TC74VHC74FT (EL)
IC27
TC7SH00FU-TE85R
IC87
TC7SH04FU-TE85R
IC68
TC7S32FU (TE85R)
IC52 (1/9)
74LCX541MTCX
IC52 (2/9)
74LCX541MTCX
IC52 (3/9)
74LCX541MTCX
IC52 (4/9)
74LCX541MTCX
IC52 (5/9)
74LCX541MTCX
IC52 (8/9)
74LCX541MTCX
IC52 (9/9)
74LCX541MTCX
IC60
CXD2307R-T6
IC61
CXD2307R-T6
IC39
SN74CBT16212DGGR
IC40
CXD2315Q
IC75
TC7SH08FU-TE85R
IC76 (1/4)
TC7W14FU (TE12R)
IC76 (2/4)
TC7W14FU (TE12R)
IC76 (3/4)
TC7W14FU (TE12R)
IC76 (4/4)
TC7W14FU (TE12R)
IC77
TC7W74FU (TE12R)
IC78
TC7SH00FU-TE85R
Q3
2SA1611T1-M5M6
Q4
2SC4177-T1L5L6
D16
1SS302-TE85L
ZEBRA_ON
LD_TS
VIDEO_DATA9
VIDEO_DATA8
VIDEO_DATA7
VIDEO_DATA6
VIDEO_DATA5
VIDEO_DATA4
VIDEO_DATA3
VIDEO_DATA2
VIDEO_DATA1
VIDEO_DATA0
CAM_CF
CAM_SY
CAM_VD
CAM_HD
BLKG
VTR_EN
SKG
TEST_SAW
PR_Y
PR_R-Y
PR_B-Y
DA_GND
VF_DTL
PR_VF
+4.7V
-4.7V
CN1
CN14
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J
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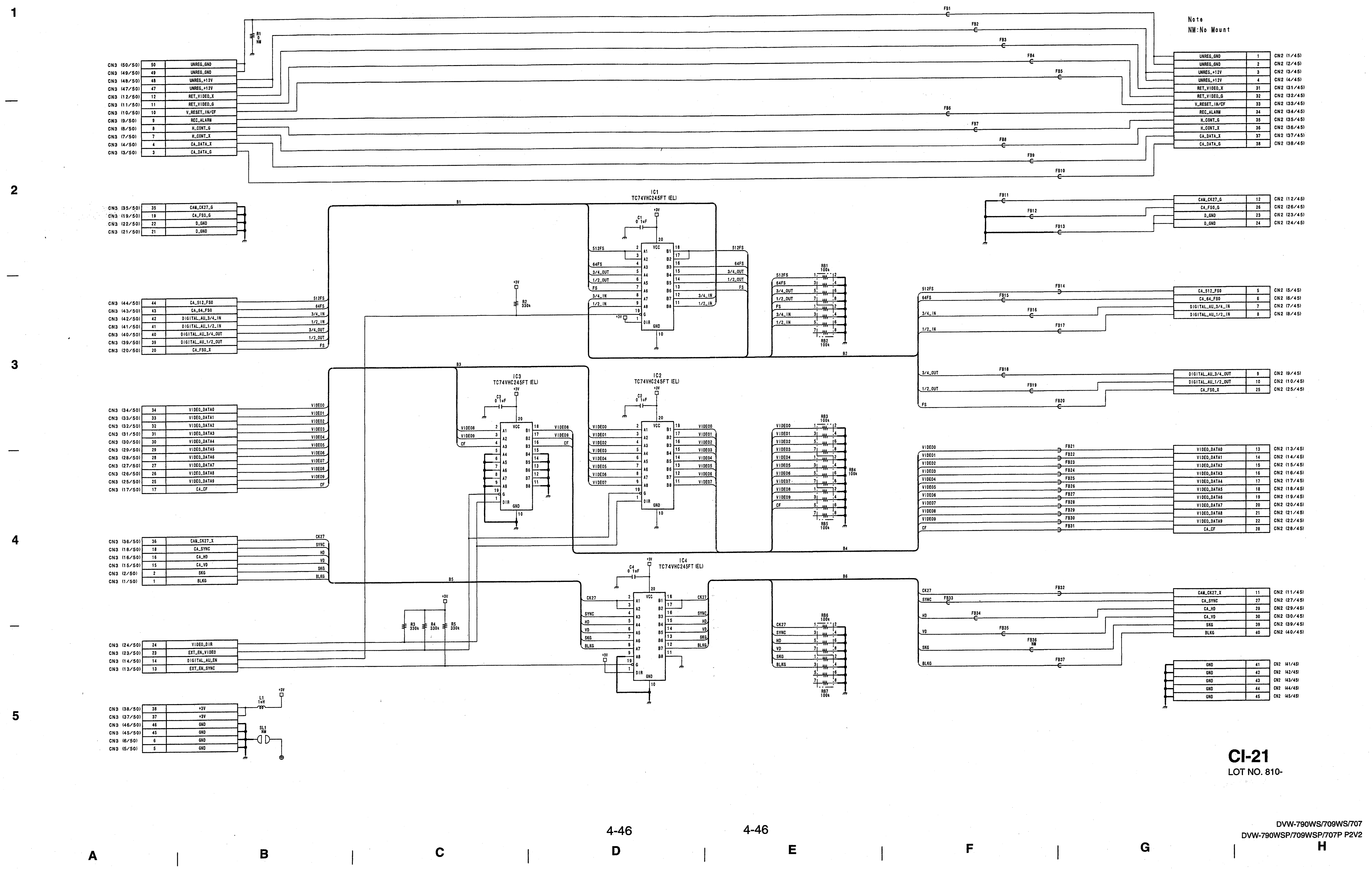
P

MARK	CHANGED INFORMATION	SERIAL NO.
*3	R70 10 → 220	10056 and higher (707 SY) 30011 and higher (707 J) 10116 and higher (709WS SY) 30006 and higher (709WS J/790WS J) 10106 and higher (790WS SY) 40121 and higher (707P) 40206 and higher (709WSP) 40391 and higher (790WSP)

DCP-17 (6/8)
LOT NO. 810-


Note
NM:No Mount
CN3 (50/50) 50 UNREG_GND
CN3 (49/50) 49 UNREG_GND
CN3 (48/50) 48 UNREG_+12V
CN3 (47/50) 47 UNREG_+12V
CN3 (12/50) 12 RET_VIDEO_X
CN3 (11/50) 11 RET_VIDEO_G
CN3 (10/50) 10 V_RESET_IN/CF
CN3 (9/50) 9 REC_ALARM
CN3 (8/50) 8 H_CONT_G
CN3 (7/50) 7 H_CONT_X
CN3 (4/50) 4 CA_DATA_X
CN3 (3/50) 3 CA_DATA_G
CN3 (35/50) 35 CAM_CK27_G
CN3 (19/50) 19 CA_FS0_G
CN3 (22/50) 22 D_GND
CN3 (21/50) 21 D_GND
CN3 (44/50) 44 CA_512_FS0
CN3 (43/50) 43 CA_64_FS0
CN3 (42/50) 42 DIGITAL_AU_3/4_IN
CN3 (41/50) 41 DIGITAL_AU_1/2_IN
CN3 (40/50) 40 DIGITAL_AU_3/4_OUT
CN3 (39/50) 39 DIGITAL_AU_1/2_OUT
CN3 (20/50) 20 CA_FS0_X
CN3 (34/50) 34 VIDEO_DATA0
CN3 (33/50) 33 VIDEO_DATA1
CN3 (32/50) 32 VIDEO_DATA2
CN3 (31/50) 31 VIDEO_DATA3
CN3 (30/50) 30 VIDEO_DATA4
CN3 (29/50) 29 VIDEO_DATA5
CN3 (28/50) 28 VIDEO_DATA6
CN3 (27/50) 27 VIDEO_DATA7
CN3 (26/50) 26 VIDEO_DATA8
CN3 (25/50) 25 VIDEO_DATA9
CN3 (17/50) 17 CA_CF
CN3 (36/50) 36 CAM_CK27_X
CN3 (18/50) 18 CA_SYNC
CN3 (16/50) 16 CA_HD
CN3 (15/50) 15 CA_VD
CN3 (2/50) 2 SKG
CN3 (1/50) 1 BLKG
CN3 (24/50) 24 VIDEO_DIR
CN3 (23/50) 23 EXT_EN_VIDEO
CN3 (14/50) 14 DIGITAL_AU_EN
CN3 (13/50) 13 EXT_EN_SYNC
CN3 (38/50) 38 +3V
CN3 (37/50) 37 +3V
CN3 (46/50) 46 GND
CN3 (45/50) 45 GND
CN3 (6/50) 6 GND
CN3 (5/50) 5 GND
UNREG_GND 1 CN2 (1/45)
UNREG_GND 2 CN2 (2/45)
UNREG_+12V 3 CN2 (3/45)
UNREG_+12V 4 CN2 (4/45)
RET_VIDEO_X 31 CN2 (31/45)
RET_VIDEO_G 32 CN2 (32/45)
V_RESET_IN/CF 33 CN2 (33/45)
REC_ALARM 34 CN2 (34/45)
H_CONT_G 35 CN2 (35/45)
H_CONT_X 36 CN2 (36/45)
CA_DATA_X 37 CN2 (37/45)
CA_DATA_G 38 CN2 (38/45)
CAM_CK27_G 12 CN2 (12/45)
CA_FS0_G 26 CN2 (26/45)
D_GND 23 CN2 (23/45)
D_GND 24 CN2 (24/45)
CA_512_FS0 5 CN2 (5/45)
CA_64_FS0 6 CN2 (6/45)
DIGITAL_AU_3/4_IN 7 CN2 (7/45)
DIGITAL_AU_1/2_IN 8 CN2 (8/45)
DIGITAL_AU_3/4_OUT 9 CN2 (9/45)
DIGITAL_AU_1/2_OUT 10 CN2 (10/45)
CA_FS0_X 25 CN2 (25/45)
VIDEO_DATA0 13 CN2 (13/45)
VIDEO_DATA1 14 CN2 (14/45)
VIDEO_DATA2 15 CN2 (15/45)
VIDEO_DATA3 16 CN2 (16/45)
VIDEO_DATA4 17 CN2 (17/45)
VIDEO_DATA5 18 CN2 (18/45)
VIDEO_DATA6 19 CN2 (19/45)
VIDEO_DATA7 20 CN2 (20/45)
VIDEO_DATA8 21 CN2 (21/45)
VIDEO_DATA9 22 CN2 (22/45)
CA_CF 28 CN2 (28/45)
CAM_CK27_X 11 CN2 (11/45)
CA_SYNC 27 CN2 (27/45)
CA_HD 29 CN2 (29/45)
CA_VD 30 CN2 (30/45)
SKG 39 CN2 (39/45)
BLKG 40 CN2 (40/45)
GND 41 CN2 (41/45)
GND 42 CN2 (42/45)
GND 43 CN2 (43/45)
GND 44 CN2 (44/45)
GND 45 CN2 (45/45)
IC1 TC74VHC245FT (EL)
IC2 TC74VHC245FT (EL)
IC3 TC74VHC245FT (EL)
IC4 TC74VHC245FT (EL)
C1 0.1uF
C2 0.1uF
C3 0.1uF
C4 0.1uF
R1 0 NM
R2 330k
R3 330k
R4 330k
R5 330k
RB1 100k
RB2 100k
RB3 100k
RB4 100k
RB5 100k
RB6 100k
RB7 100k
L1 1uH
SL1 NM
FB36 NM
+3V
B1
B2
B3
B4
B5
B6
512FS
64FS
3/4_IN
1/2_IN
3/4_OUT
1/2_OUT
FS
VIDEO0
VIDEO1
VIDEO2
VIDEO3
VIDEO4
VIDEO5
VIDEO6
VIDEO7
VIDEO8
VIDEO9
CF
CK27
SYNC
HD
VD
SKG
BLKG
1
2
3
4
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A
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C
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E
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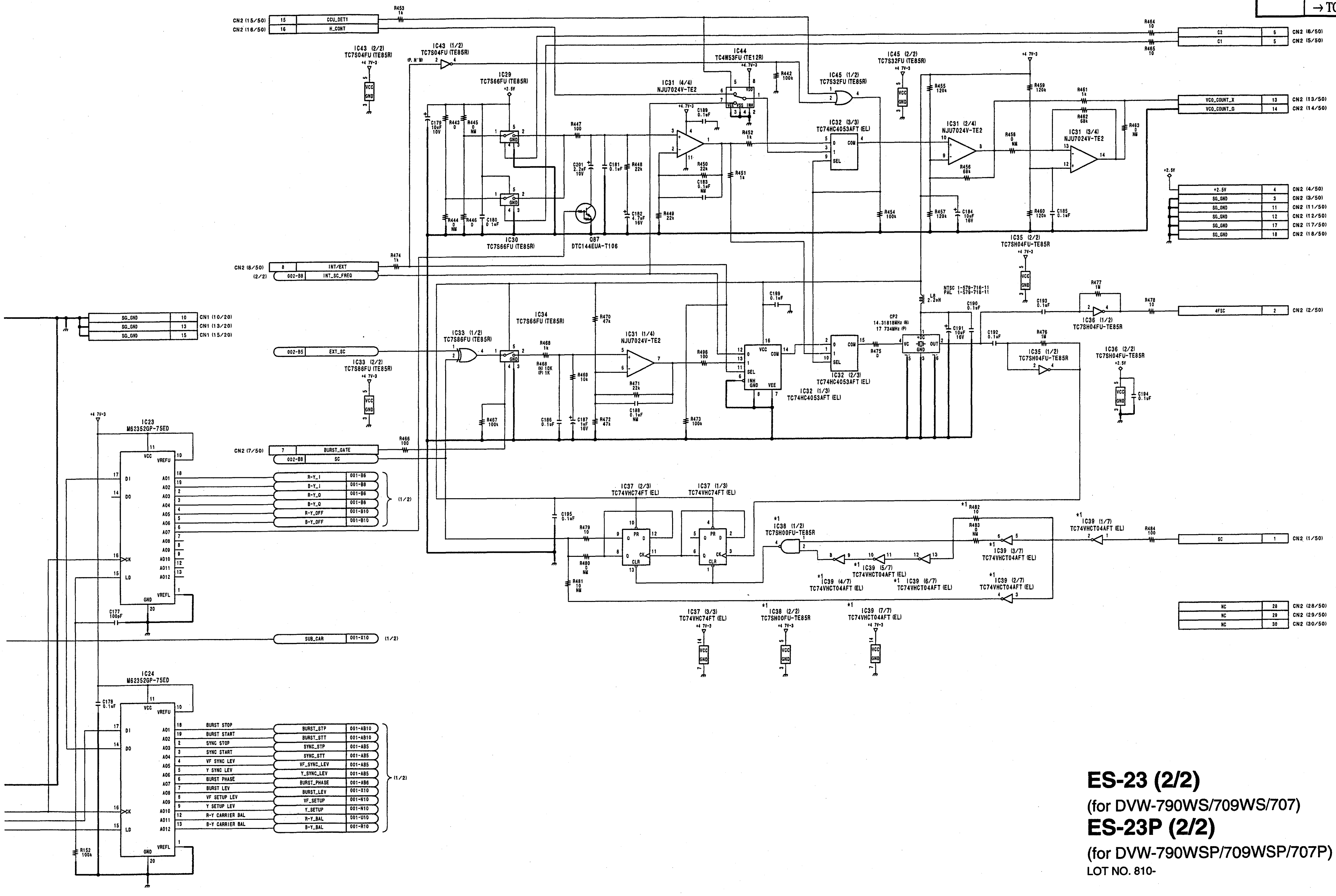
G
H

CI-21
LOT NO. 810-

ES-23/23P (2/2)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R482 1.0 → 10 IC38 TC7S00FU-TE85R → TC7SH00FU-TE85R IC39 SN74HCT04APW(E05) → TC74VHCT04AFT(EL)	10021 and higher (707 SY) 30006 and higher (707 J/709WS J/790WS J) 10036 and higher (709WS SY/790WS SY) 40036 and higher (707P) 40101 and higher (709WSP) 40086 and higher (790WSP)


CN2 (15/50) 15 CCU_DET1
CN2 (16/50) 16 H_CONT
R453 1k
IC43 (2/2) TC7S04FU (TE85R)
IC43 (1/2) TC7S04FU (TE85R)
(P, N'M)
IC29 TC7S66FU (TE85R)
+2.5V
C179 10uF 10V
R443 0
R445 0 NM
R444 0 NM
R446 0
C180 0.1uF
IC30 TC7S66FU (TE85R)
R447 100
C201 2.2uF 10V
C181 0.1uF
R448 22k
C182 4.7uF 16V
R449 22k
Q87 DTC144EUA-T106
IC31 (4/4) NJU7024V-TE2
+4.7V-3
C189 0.1uF
R450 22k
C183 0.1uF NM
R451 1k
R452 1k
IC44 TC4W53FU (TE12R)
R442 100k
IC45 (1/2) TC7S32FU (TE85R)
IC45 (2/2) TC7S32FU (TE85R)
IC32 (3/3) TC74HC4053AFT (EL)
R454 100k
R455 120k
R457 120k
C184 10uF 16V
IC31 (2/4) NJU7024V-TE2
R456 68k
R458 0 NM
R459 120k
R460 120k
C185 0.1uF
R461 1k
R462 68k
R463 0 NM
IC31 (3/4) NJU7024V-TE2
R464 10
R465 10
C2 6 CN2 (6/50)
C1 5 CN2 (5/50)
VCO_COUNT_X 13 CN2 (13/50)
VCO_COUNT_G 14 CN2 (14/50)
+2.5V 4 CN2 (4/50)
SG_GND 3 CN2 (3/50)
SG_GND 11 CN2 (11/50)
SG_GND 12 CN2 (12/50)
SG_GND 17 CN2 (17/50)
SG_GND 18 CN2 (18/50)
IC35 (2/2) TC7SH04FU-TE85R
CN2 (8/50) 8 INT/EXT
(2/2) 002-B8 INT_SC_FREQ
R474 1k
SG_GND 10 CN1 (10/20)
SG_GND 13 CN1 (13/20)
SG_GND 15 CN1 (15/20)
002-B5 EXT_SC
IC33 (1/2) TC7S86FU (TE85R)
IC33 (2/2) TC7S86FU (TE85R)
IC34 TC7S66FU (TE85R)
R468 1k
R468 (N) 10K (P) 1K
R467 100k
C186 0.1uF
C187 1uF 16V
R469 10k
R470 47k
R472 47k
IC31 (1/4) NJU7024V-TE2
R471 22k
C188 0.1uF NM
R496 100
R473 100k
C199 0.1uF
IC32 (1/3) TC74HC4053AFT (EL)
IC32 (2/3) TC74HC4053AFT (EL)
R475 0
L8 2.2uH
NTSC 1-579-716-11
PAL 1-579-718-11
CP2 14.31818MHz (N) 17.734MHz (P)
C190 0.1uF
C191 10uF 16V
C192 0.1uF
C193 0.1uF
R476 1M
R477 1M
R478 10
IC35 (1/2) TC7SH04FU-TE85R
IC36 (1/2) TC7SH04FU-TE85R
IC36 (2/2) TC7SH04FU-TE85R
C194 0.1uF
4FSC 2 CN2 (2/50)
IC23 M62352GP-75ED
CN2 (7/50) 7 BURST_GATE
002-B8 SC
R466 100
R-Y_I 001-B6
B-Y_I 001-B8
R-Y_Q 001-B6
B-Y_Q 001-B8
R-Y_OFF 001-B10
B-Y_OFF 001-B10
(1/2)
C177 100pF
SUB_CAR 001-X10 (1/2)
IC24 M62352GP-75ED
C178 0.1uF
R152 100k
BURST STOP
BURST START
SYNC STOP
SYNC START
VF SYNC LEV
Y SYNC LEV
BURST PHASE
BURST LEV
VF SETUP LEV
Y SETUP LEV
R-Y CARRIER BAL
B-Y CARRIER BAL
BURST_STP 001-AB10
BURST_STT 001-AB10
SYNC_STP 001-AB5
SYNC_STT 001-AB5
VF_SYNC_LEV 001-AB5
Y_SYNC_LEV 001-AB5
BURST_PHASE 001-AB6
BURST_LEV 001-X10
VF_SETUP 001-N10
Y_SETUP 001-N10
R-Y_BAL 001-U10
B-Y_BAL 001-R10
(1/2)
IC37 (2/3) TC74VHC74FT (EL)
IC37 (1/3) TC74VHC74FT (EL)
IC37 (3/3) TC74VHC74FT (EL)
C195 0.1uF
R479 10
R480 0 NM
R481 10 NM
*1 IC38 (1/2) TC7SH00FU-TE85R
*1 IC38 (2/2) TC7SH00FU-TE85R
*1 R482 10
R483 0 NM
*1 IC39 (1/7) TC74VHCT04AFT (EL)
*1 IC39 (2/7) TC74VHCT04AFT (EL)
*1 IC39 (3/7) TC74VHCT04AFT (EL)
*1 IC39 (4/7) TC74VHCT04AFT (EL)
*1 IC39 (5/7) TC74VHCT04AFT (EL)
*1 IC39 (6/7) TC74VHCT04AFT (EL)
*1 IC39 (7/7) TC74VHCT04AFT (EL)
R484 100
SC 1 CN2 (1/50)
NC 28 CN2 (28/50)
NC 29 CN2 (29/50)
NC 30 CN2 (30/50)

ES-23 (2/2)

(for DVW-790WS/709WS/707)

ES-23P (2/2)

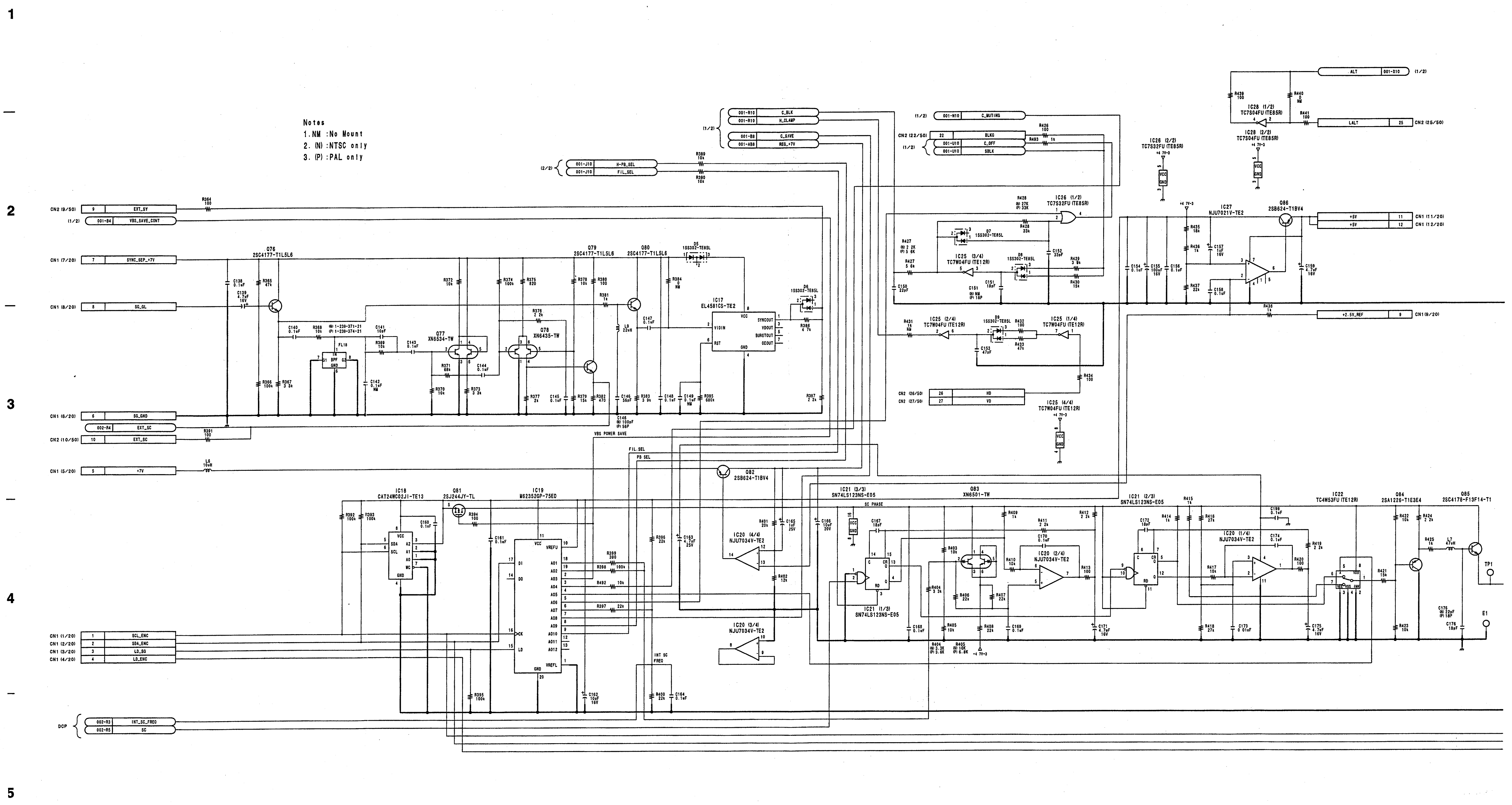
(for DVW-790WSP/709WSP/707P)

LOT NO. 810-

ES-23/23P (2/2)

ES-23/23P (2/2)

Notes
1. NM : No Mount
2. (N) : NTSC only
3. (P) : PAL only


1
2
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CN2 (9/50) 9 EXT_SY
(1/2) 001-B4 VBS_SAVE_CONT
CN1 (7/20) 7 SYNC_SEP_+7V
CN1 (8/20) 8 SG_GL
CN1 (6/20) 6 SG_GND
002-R4 EXT_SC
CN2 (10/50) 10 EXT_SC
CN1 (5/20) 5 +7V
CN1 (1/20) 1 SCL_ENC
CN1 (2/20) 2 SDA_ENC
CN1 (3/20) 3 LD_SG
CN1 (4/20) 4 LD_ENC
DCP 002-R3 INT_SC_FREQ
002-R5 SC
(2/2) 001-J10 H-PB_SEL
001-J10 FIL_SEL
(1/2) 001-R10 C_BLK
001-R10 H_CLAMP
001-B8 C_SAVE
001-AB8 REG_+7V
(1/2) 001-N10 C_MUTING
CN2 (22/50) 22 BLKG
(1/2) 001-U10 C_OFF
001-U10 SBLK
ALT 001-X10 (1/2)
LALT 25 CN2 (25/50)
+5V 11 CN1 (11/20)
+5V 12 CN1 (12/20)
+2.5V_REF 9 CN1 (9/20)
CN2 (26/50) 26 HD
CN2 (27/50) 27 VD
Q76 2SC4177-T1L5L6
Q77 XN6534-TW
Q78 XN6435-TW
Q79 2SC4177-T1L5L6
Q80 2SC4177-T1L5L6
D5 1SS302-TE85L
D6 1SS302-TE85L
IC17 EL4581CS-TE2
VIDIN RST VCC GND SYNCOUT VDOUT BURSTOUT OEOUT
FL18 BPF
(N) 1-239-371-21
(P) 1-239-374-21
C146 (N) 100pF (P) 56P
VBS POWER SAVE
FIL.SEL
PB SEL
Q81 2SJ244JY-TL
Q82 2SB624-T1BV4
IC18 CAT24WC02JI-TE13
IC19 M62352GP-75ED
IC20 (4/4) NJU7034V-TE2
IC20 (3/4) NJU7034V-TE2
IC20 (2/4) NJU7034V-TE2
IC20 (1/4) NJU7034V-TE2
INT SC FREQ
IC21 (3/3) SN74LS123NS-E05
IC21 (1/3) SN74LS123NS-E05
IC21 (2/3) SN74LS123NS-E05
SC PHASE
Q83 XN6501-TW
IC22 TC4W53FU (TE12R)
Q84 2SA1226-T1E3E4
Q85 2SC4178-F13F14-T1
TP1
E1
IC25 (3/4) TC7W04FU (TE12R)
IC25 (2/4) TC7W04FU (TE12R)
IC25 (1/4) TC7W04FU (TE12R)
IC25 (4/4) TC7W04FU (TE12R)
IC26 (1/2) TC7S32FU (TE85R)
IC26 (2/2) TC7S32FU (TE85R)
IC27 NJU7021V-TE2
IC28 (1/2) TC7S04FU (TE85R)
IC28 (2/2) TC7S04FU (TE85R)
Q86 2SB624-T1BV4
D7 1SS302-TE85L
D8 1SS302-TE85L
D9 1SS302-TE85L
R427 (N) 2.2K (P) 5.6K
R428 (N) 27K (P) 33K
C151 (N) NM (P) 18P
R404 (N) 3.3K (P) 3.6K
R405 (N) 10K (P) 6.8K
C176 (N) 22pF (P) 18P
+4.7V-3

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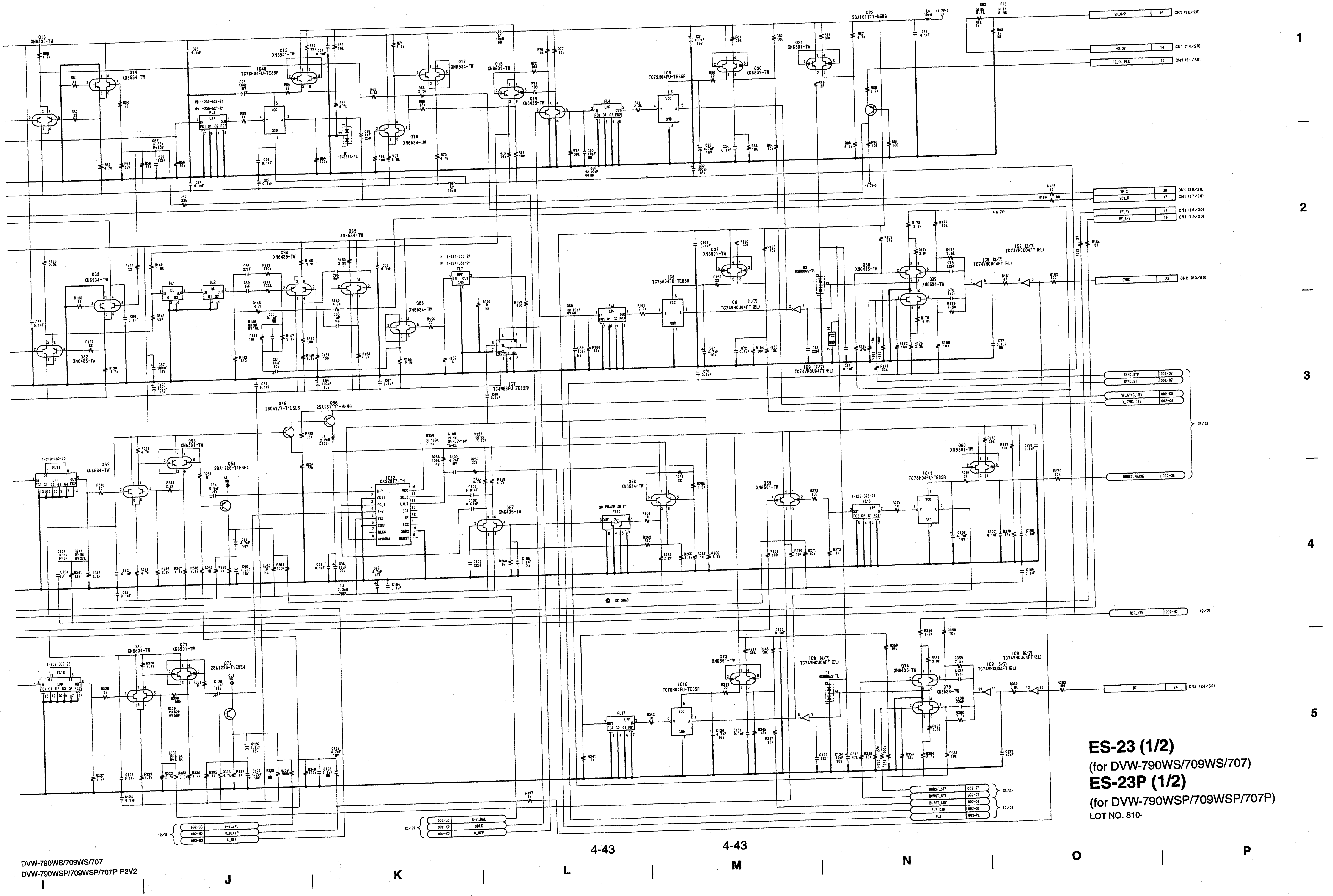
A | B | C | D | E | F | G | H

ES-23/23P (1/2)


1
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I
J
K
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M
N
O
P
Q13 XN6435-TW
Q14 XN6534-TW
Q15 XN6501-TW
IC40 TC7SH04FU-TE85R
Q16 XN6534-TW
Q17 XN6534-TW
Q18 XN6501-TW
Q19 XN6435-TW
IC3 TC7SH04FU-TE85R
Q20 XN6501-TW
Q21 XN6501-TW
Q22 2SA1611T1-M5M6
Q33 XN6534-TW
Q32 XN6435-TW
Q34 XN6435-TW
Q35 XN6534-TW
Q36 XN6534-TW
IC7 TC4W53FU(TE12R)
IC8 TC7SH04FU-TE85R
Q37 XN6501-TW
Q38 XN6435-TW
Q39 XN6534-TW
IC9 (2/7) TC74VHCU04FT(EL)
IC9 (3/7) TC74VHCU04FT(EL)
IC9 (1/7) TC74VHCU04FT(EL)
IC9 (7/7) TC74VHCU04FT(EL)
Q55 2SC4177-T1L5L6
Q56 2SA1611T1-M5M6
Q52 XN6534-TW
Q53 XN6501-TW
Q54 2SA1226-T1E3E4
IC13 CX22017-TH
Q57 XN6435-TW
Q58 XN6534-TW
SC PHASE SHIFT
Q59 XN6501-TW
IC41 TC7SH04FU-TE85R
Q60 XN6501-TW
SC QUAD
Q70 XN6534-TW
Q71 XN6501-TW
Q72 2SA1226-T1E3E4
Q73 XN6501-TW
IC16 TC7SH04FU-TE85R
IC9 (4/7) TC74VHCU04FT(EL)
Q74 XN6435-TW
Q75 XN6534-TW
IC9 (6/7) TC74VHCU04FT(EL)
IC9 (5/7) TC74VHCU04FT(EL)
VF_H/P 16 CN1 (16/20)
+8.3V 14 CN1 (14/20)
FB_CL_PLS 21 CN2 (21/50)
VF_X 20 CN1 (20/20)
VBS_X 17 CN1 (17/20)
VF_R-Y 18 CN1 (18/20)
VF_B-Y 19 CN1 (19/20)
SYNC 23 CN2 (23/50)
SYNC_STP 002-O7
SYNC_STT 002-O7
VF_SYNC_LEV 002-O8
Y_SYNC_LEV 002-O8
(2/2)
BURST_PHASE 002-O8
REG_+7V 002-H2 (2/2)
BF 24 CN2 (24/50)
BURST_STP 002-O7
BURST_STT 002-O7
BURST_LEV 002-O8
SUB_CAR 002-O6
ALT 002-P2
(2/2)
R-Y_BAL 002-O8
H_CLAMP 002-H2
C_BLK 002-H2
(2/2)
R-Y_BAL 002-O8
SBLK 002-K2
C_OFF 002-K2
(2/2)

ES-23 (1/2)
(for DVW-790WS/709WS/707)
ES-23P (1/2)
(for DVW-790WSP/709WSP/707P)
LOT NO. 810-

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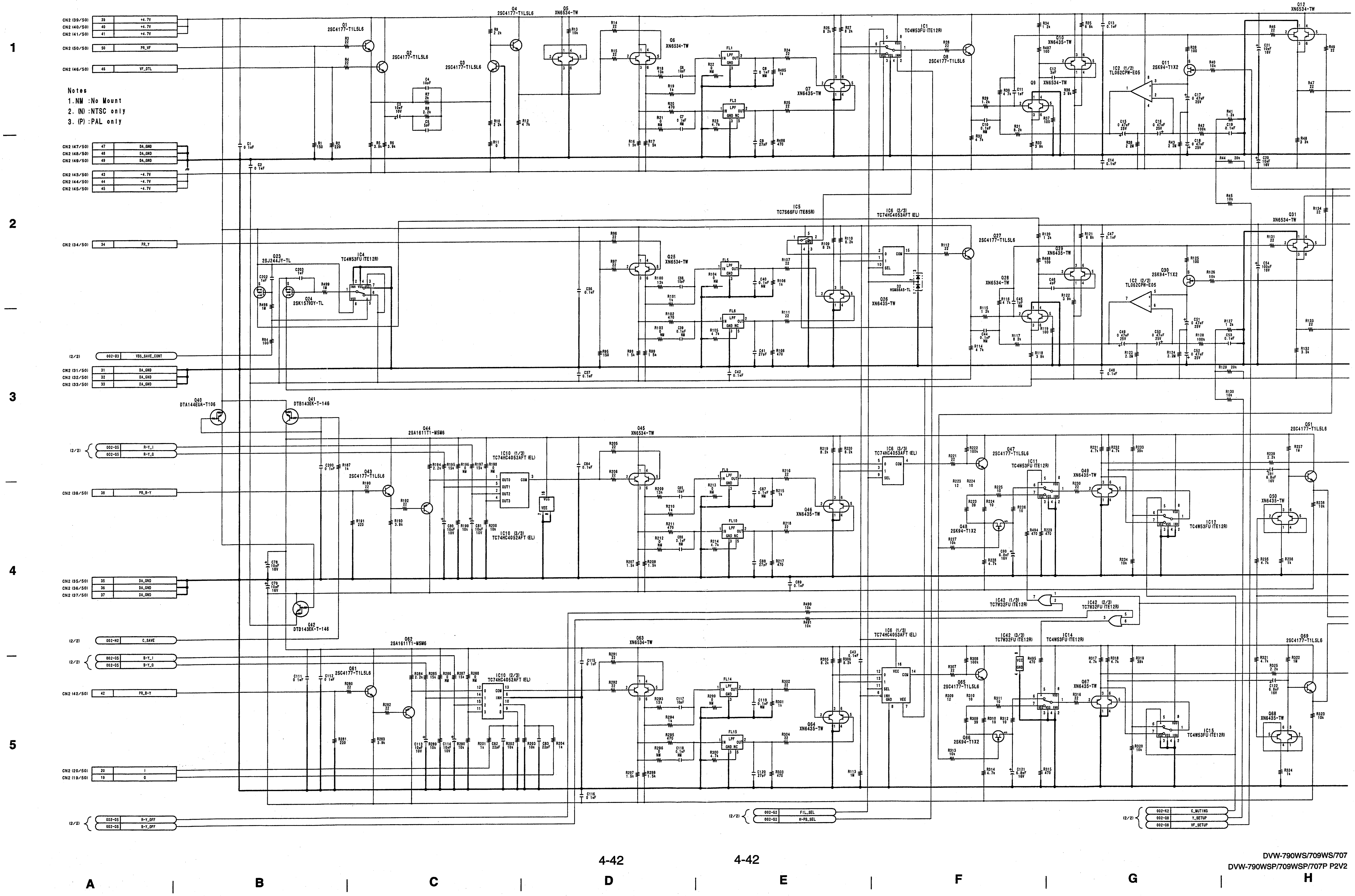
DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

ES-23/23P (1/2)

ES-23/23P (1/2)


CN2 (39/50) +4.7V
CN2 (40/50) +4.7V
CN2 (41/50) +4.7V
CN2 (50/50) PR_VF
CN2 (46/50) VF_OTL
CN2 (47/50) DA_GND
CN2 (48/50) DA_GND
CN2 (49/50) DA_GND
CN2 (43/50) -4.7V
CN2 (44/50) -4.7V
CN2 (45/50) -4.7V
CN2 (34/50) PR_Y
(2/2) 002-B3 VDS_SAVE_CONT
CN2 (31/50) DA_GND
CN2 (32/50) DA_GND
CN2 (33/50) DA_GND
(2/2) 002-D5 R-Y_I
002-D5 R-Y_O
CN2 (38/50) PR_R-Y
CN2 (35/50) DA_GND
CN2 (36/50) DA_GND
CN2 (37/50) DA_GND
(2/2) 002-H2 C_SAVE
(2/2) 002-D5 B-Y_I
002-D5 B-Y_O
CN2 (42/50) PR_B-Y
CN2 (20/50) I
CN2 (19/50) O
(2/2) 002-D5 R-Y_OFF
002-D5 B-Y_OFF
(2/2) 002-G2 FIL_SEL
002-G2 H-PB_SEL
(2/2) 002-K2 C_MUTING
002-G8 Y_SETUP
002-G8 VF_SETUP
Q1 2SC4177-T1L5L6
Q2 2SC4177-T1L5L6
Q3 2SC4177-T1L5L6
Q4 2SC4177-T1L5L6
Q5 XN6534-TW
Q6 XN6534-TW
Q7 XN6435-TW
IC1 TC4W53FU (TE12R)
Q8 2SC4177-T1L5L6
Q9 XN6534-TW
Q10 XN6435-TW
IC2 (1/2) TL062CPW-E05
Q11 2SK94-T1X2
Q12 XN6534-TW
IC4 TC4W53FU (TE12R)
Q23 2SJ244JY-TL
Q24 2SK1578GY-TL
Q25 XN6534-TW
IC5 TC7S66FU (TE85R)
IC6 (2/3) TC74HC4053AFT (EL)
D2 HSM88AS-TL
Q26 XN6435-TW
Q27 2SC4177-T1L5L6
Q28 XN6534-TW
Q29 XN6435-TW
IC2 (2/2) TL062CPW-E05
Q30 2SK94-T1X2
Q31 XN6534-TW
Q40 DTA144EUA-T106
Q41 DTB143EK-T-146
Q42 DTD143EK-T-146
Q43 2SC4177-T1L5L6
Q44 2SA1611T1-M5M6
IC10 (1/3) TC74HC4052AFT (EL)
IC10 (3/3) TC74HC4052AFT (EL)
Q45 XN6534-TW
Q46 XN6435-TW
IC6 (3/3) TC74HC4053AFT (EL)
Q47 2SC4177-T1L5L6
Q48 2SK94-T1X2
IC11 TC4W53FU (TE12R)
Q49 XN6435-TW
IC12 TC4W53FU (TE12R)
Q50 XN6435-TW
Q51 2SC4177-T1L5L6
IC42 (1/3) TC7W32FU (TE12R)
IC42 (2/3) TC7W32FU (TE12R)
IC42 (3/3) TC7W32FU (TE12R)
Q61 2SC4177-T1L5L6
Q62 2SA1611T1-M5M6
IC10 (2/3) TC74HC4052AFT (EL)
Q63 XN6534-TW
Q64 XN6435-TW
IC6 (1/3) TC74HC4053AFT (EL)
Q65 2SC4177-T1L5L6
Q66 2SK94-T1X2
IC14 TC4W53FU (TE12R)
Q67 XN6435-TW
IC15 TC4W53FU (TE12R)
Q68 XN6435-TW
Q69 2SC4177-T1L5L6
1
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Notes
1.NM :No Mount
2. (N) :NTSC only
3. (P) :PAL only

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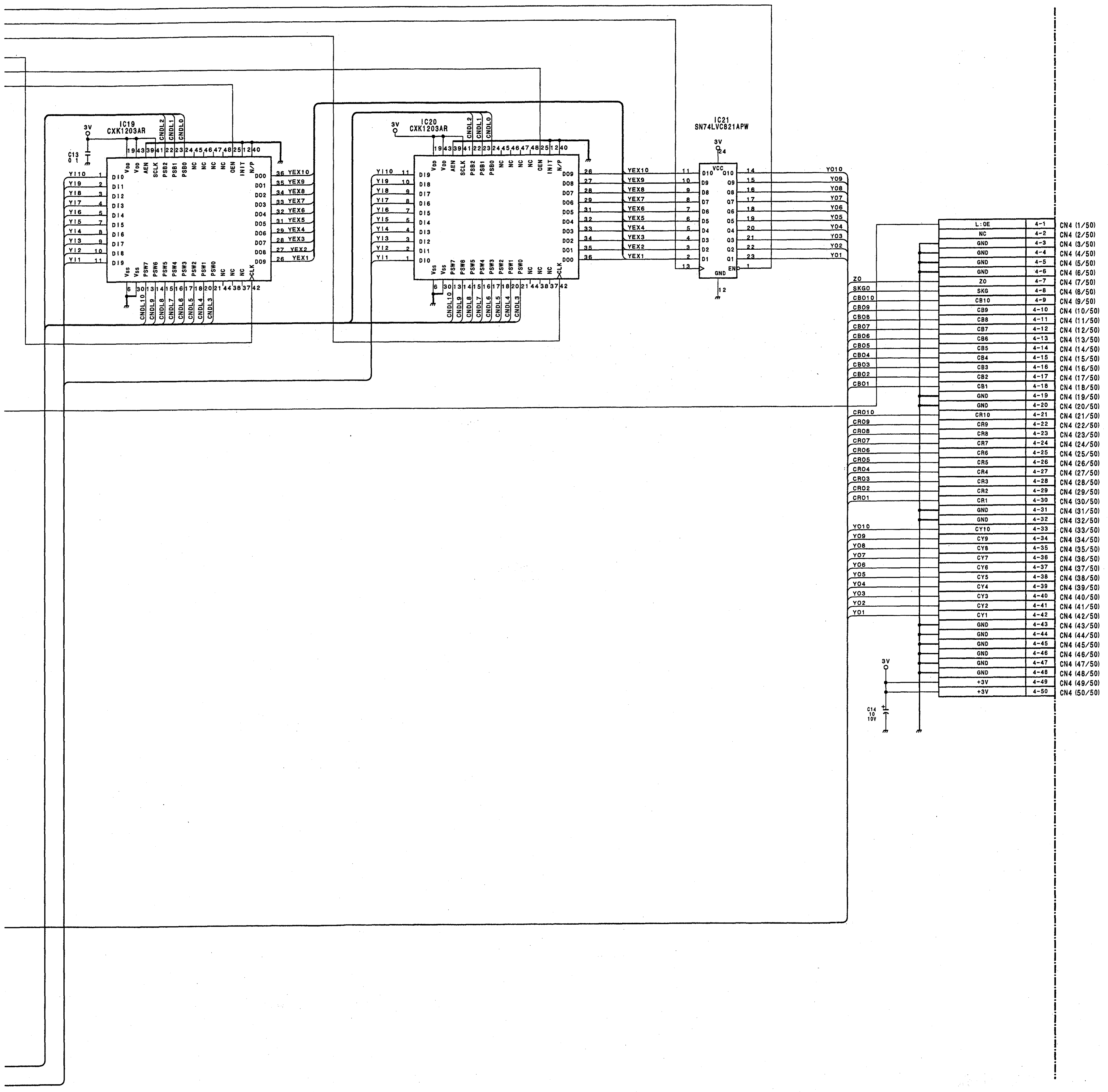
IC19
CXK1203AR
IC20
CXK1203AR
IC21
SN74LVC821APW
3V
C13
C14
YEX10
YEX9
YEX8
YEX7
YEX6
YEX5
YEX4
YEX3
YEX2
YEX1
YO10
YO9
YO8
YO7
YO6
YO5
YO4
YO3
YO2
YO1
Z0
SKG0
CBO10
CRO10
L:OE
GND
+3V
CN4 (1/50)
CN4 (50/50)
1
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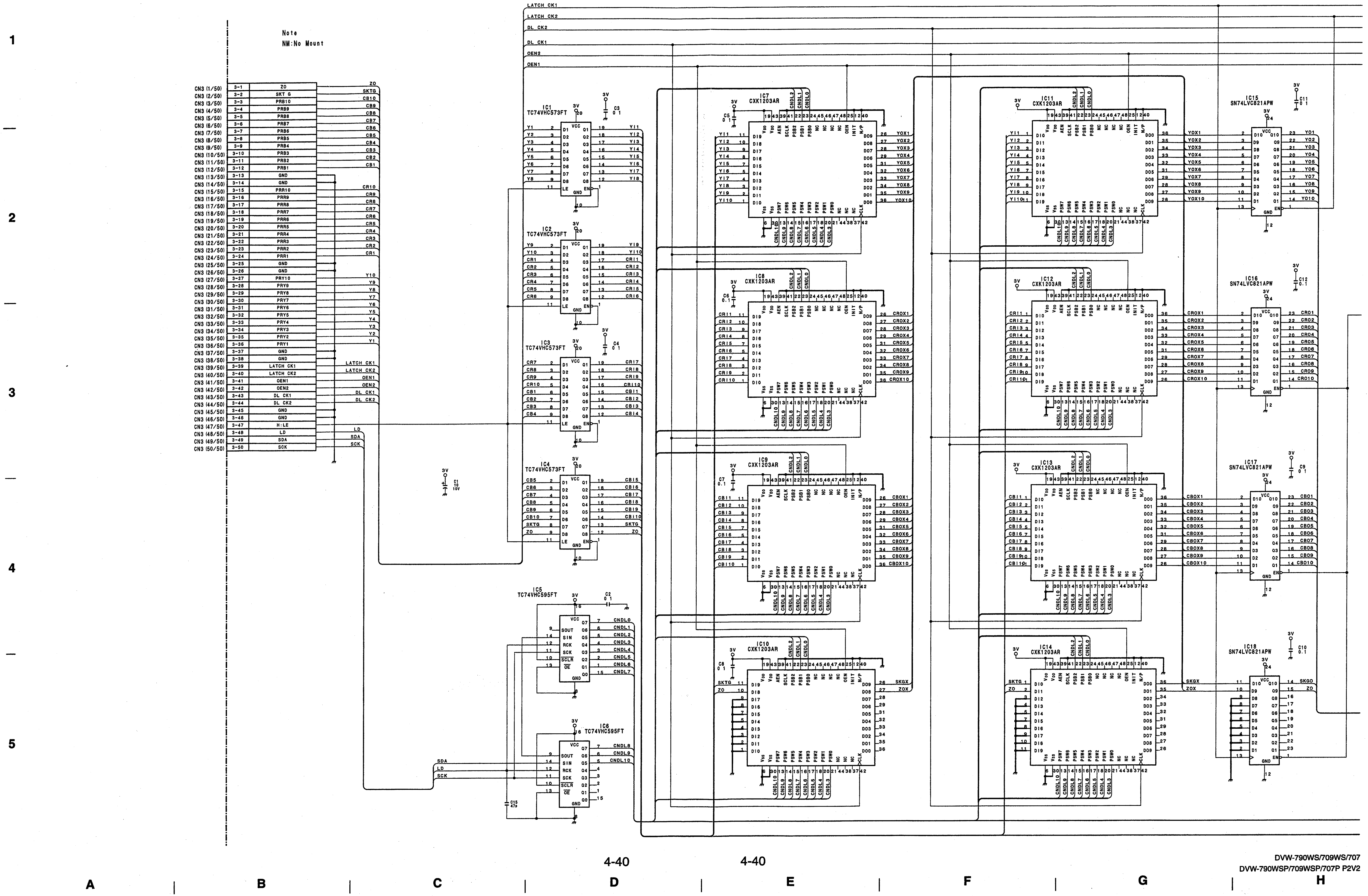
RC-75 (for DVW-790WS/790WSP/709WS/709WSP)

LOT NO. 810-

I | J | K | L | M | N | O | P


Note
NM:No Mount
CN3 (1/50) … CN3 (50/50)
3-1 ZO
3-2 SKT G
3-3 PRB10
3-13 GND
3-39 LATCH CK1
3-40 LATCH CK2
3-41 OEN1
3-42 OEN2
3-43 DL CK1
3-44 DL CK2
3-47 H:LE
3-48 LD
3-49 SDA
3-50 SCK
LATCH CK1
LATCH CK2
DL CK2
DL CK1
OEN2
OEN1
IC1 TC74VHC573FT
IC2 TC74VHC573FT
IC3 TC74VHC573FT
IC4 TC74VHC573FT
IC5 TC74VHC595FT
IC6 TC74VHC595FT
IC7 CXK1203AR
IC8 CXK1203AR
IC9 CXK1203AR
IC10 CXK1203AR
IC11 CXK1203AR
IC12 CXK1203AR
IC13 CXK1203AR
IC14 CXK1203AR
IC15 SN74LVC821APW
IC16 SN74LVC821APW
IC17 SN74LVC821APW
IC18 SN74LVC821APW
3V
C1 10 10V
C2 0.1
C15 47p
SDA
LD
SCK
CNDL0
CNDL1
CNDL2
CNDL3
CNDL4
CNDL5
CNDL6
CNDL7
CNDL8
CNDL9
CNDL10
YOX1 … YOX10
CROX1 … CROX10
CBOX1 … CBOX10
SKGX
ZOX
YO1 … YO10
CRO1 … CRO10
CBO1 … CBO10
SKGO
ZO
1
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A
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DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

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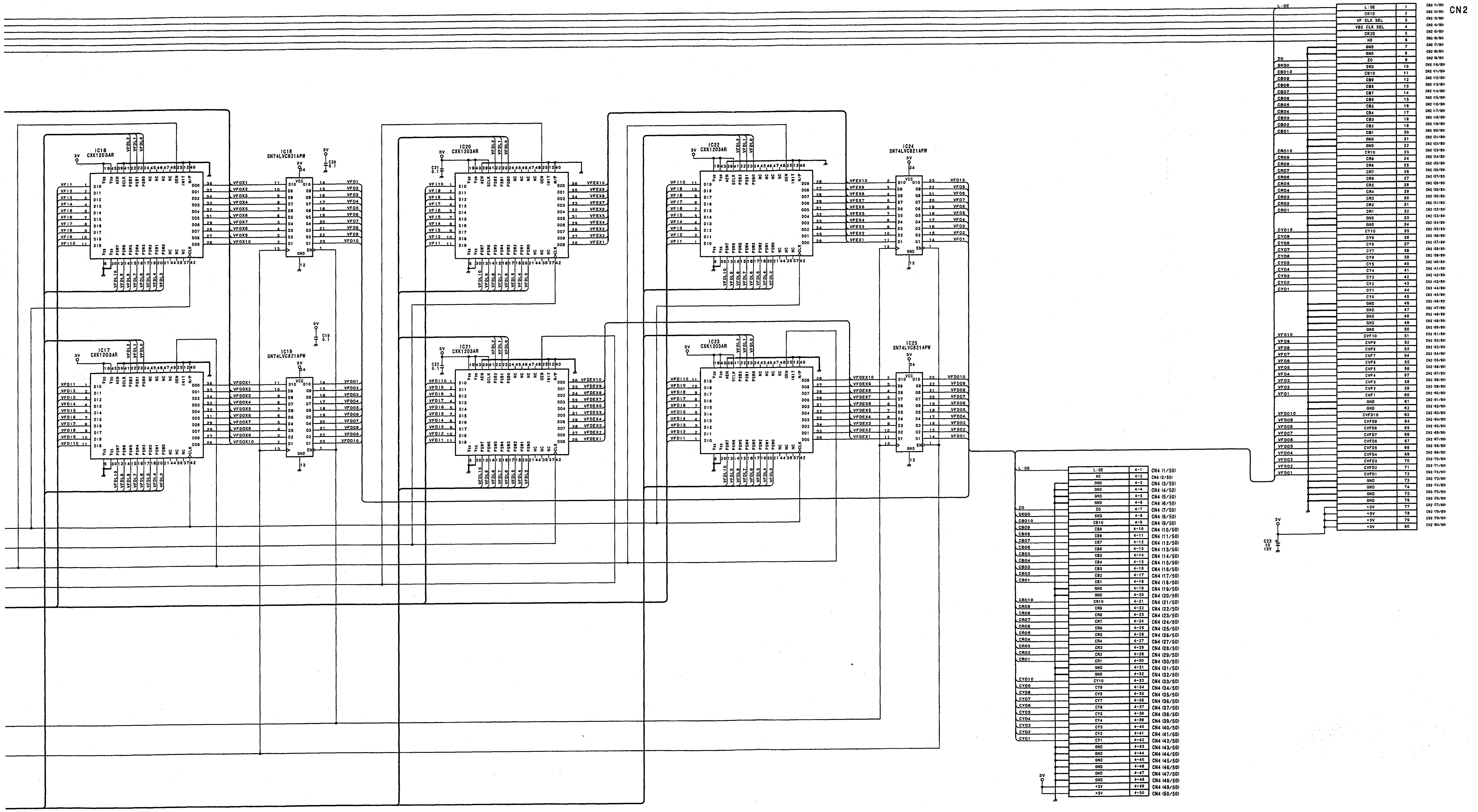
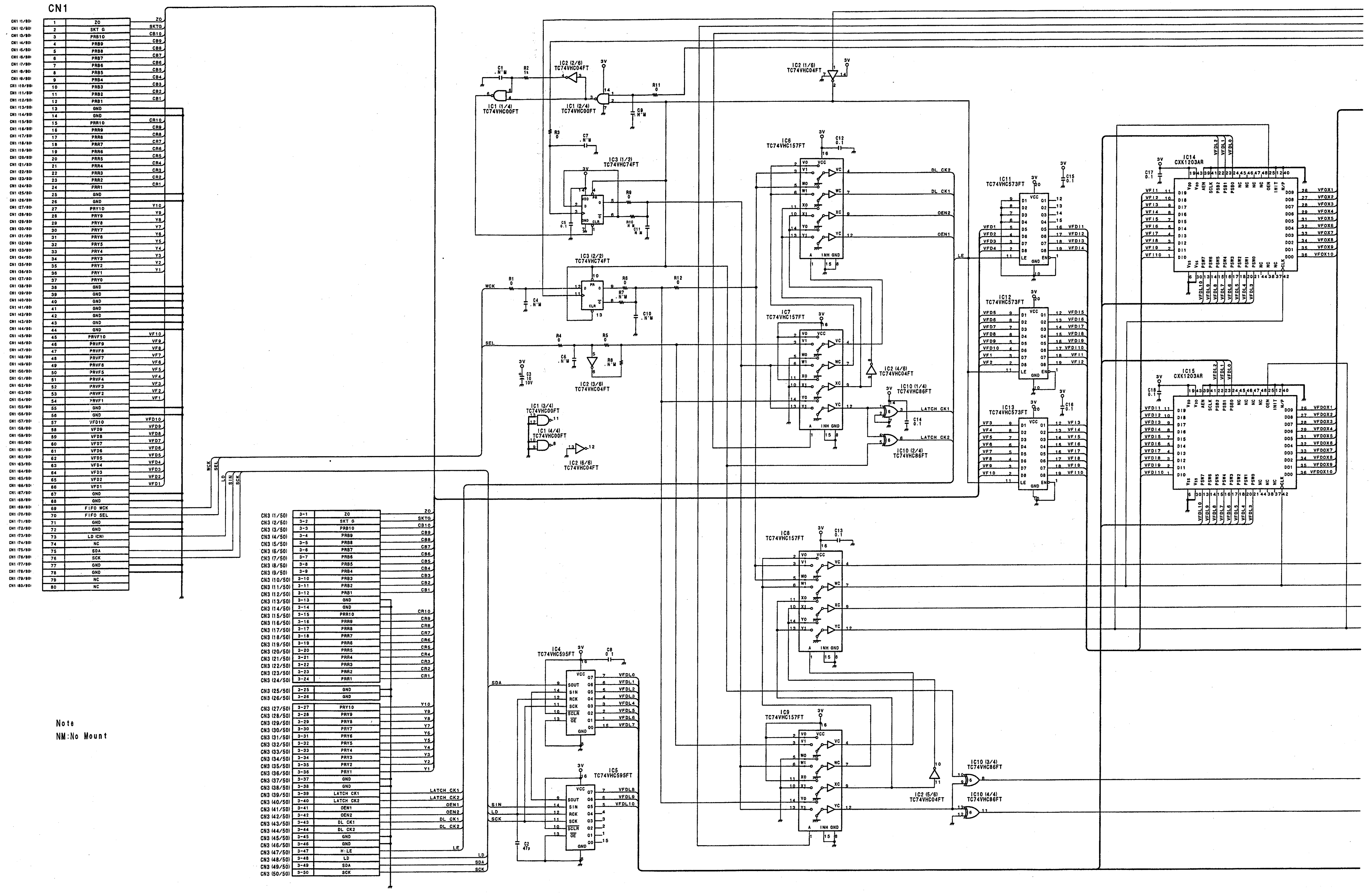

IC16
CXX1203AR
IC17
CXX1203AR
IC18
SN74LVC821APW
IC19
SN74LVC821APW
C20
0.1
C19
0.1
IC20
CXX1203AR
IC21
CXX1203AR
C21
0.1
C22
0.1
IC22
CXX1203AR
IC23
CXX1203AR
IC24
SN74LVC821APW
IC25
SN74LVC821APW
CN2
C23
10
16V
3V

RC-69 (for DVW-790WS/790WSP/709WS/709WSP)
LOT NO. 810-

I | J | K | L | M | N | O | P


CN1
CN3
IC1 (1/4) TC74VHC00FT
IC1 (2/4) TC74VHC00FT
IC1 (3/4) TC74VHC00FT
IC1 (4/4) TC74VHC00FT
IC2 (1/6) TC74VHC04FT
IC2 (2/6) TC74VHC04FT
IC2 (3/6) TC74VHC04FT
IC2 (4/6) TC74VHC04FT
IC2 (5/6) TC74VHC04FT
IC2 (6/6) TC74VHC04FT
IC3 (1/2) TC74VHC74FT
IC3 (2/2) TC74VHC74FT
IC4 TC74VHC595FT
IC5 TC74VHC595FT
IC6 TC74VHC157FT
IC7 TC74VHC157FT
IC8 TC74VHC157FT
IC9 TC74VHC157FT
IC10 (1/4) TC74VHC86FT
IC10 (2/4) TC74VHC86FT
IC10 (3/4) TC74VHC86FT
IC10 (4/4) TC74VHC86FT
IC11 TC74VHC573FT
IC12 TC74VHC573FT
IC13 TC74VHC573FT
IC14 CXK1203AR
IC15 CXK1203AR
Note
NM:No Mount
1
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A
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C
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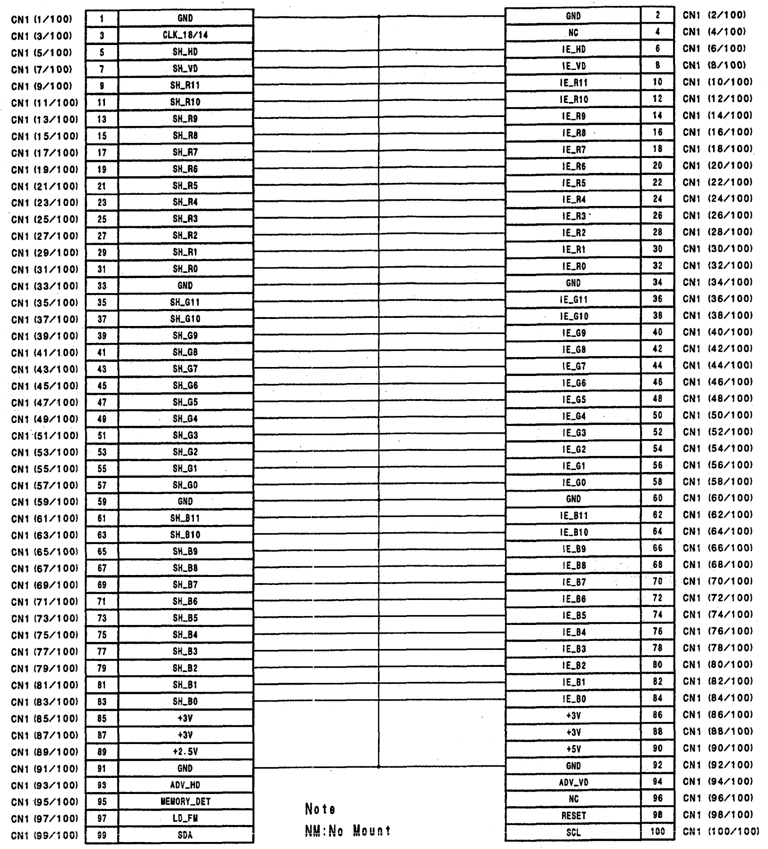
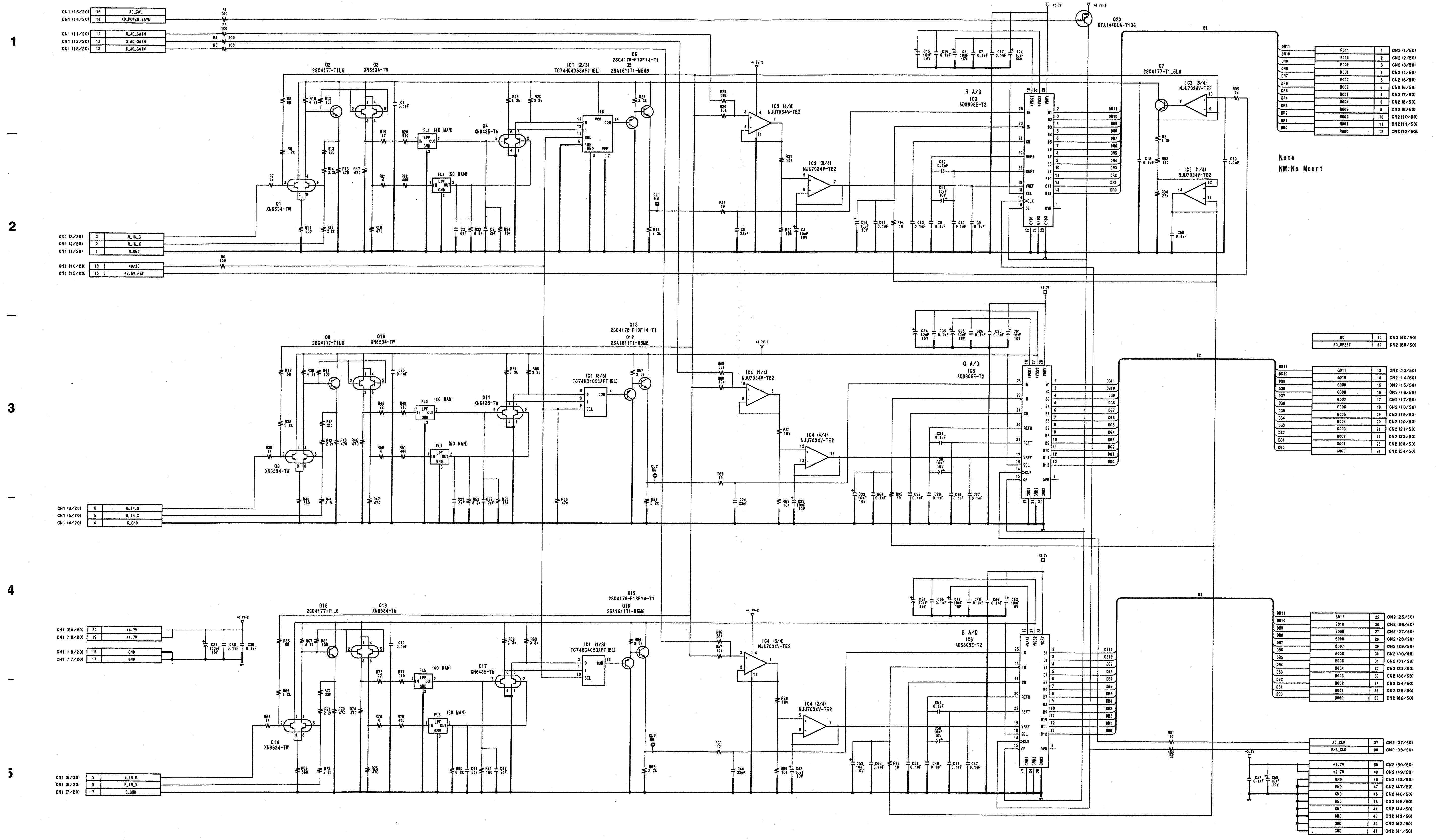

CN1 (1/100) 1 GND
CN1 (3/100) 3 CLK_18/14
CN1 (5/100) 5 SH_HD
CN1 (7/100) 7 SH_VD
CN1 (9/100) 9 SH_R11
CN1 (11/100) 11 SH_R10
CN1 (13/100) 13 SH_R9
CN1 (15/100) 15 SH_R8
CN1 (17/100) 17 SH_R7
CN1 (19/100) 19 SH_R6
CN1 (21/100) 21 SH_R5
CN1 (23/100) 23 SH_R4
CN1 (25/100) 25 SH_R3
CN1 (27/100) 27 SH_R2
CN1 (29/100) 29 SH_R1
CN1 (31/100) 31 SH_R0
CN1 (33/100) 33 GND
CN1 (35/100) 35 SH_G11
CN1 (37/100) 37 SH_G10
CN1 (39/100) 39 SH_G9
CN1 (41/100) 41 SH_G8
CN1 (43/100) 43 SH_G7
CN1 (45/100) 45 SH_G6
CN1 (47/100) 47 SH_G5
CN1 (49/100) 49 SH_G4
CN1 (51/100) 51 SH_G3
CN1 (53/100) 53 SH_G2
CN1 (55/100) 55 SH_G1
CN1 (57/100) 57 SH_G0
CN1 (59/100) 59 GND
CN1 (61/100) 61 SH_B11
CN1 (63/100) 63 SH_B10
CN1 (65/100) 65 SH_B9
CN1 (67/100) 67 SH_B8
CN1 (69/100) 69 SH_B7
CN1 (71/100) 71 SH_B6
CN1 (73/100) 73 SH_B5
CN1 (75/100) 75 SH_B4
CN1 (77/100) 77 SH_B3
CN1 (79/100) 79 SH_B2
CN1 (81/100) 81 SH_B1
CN1 (83/100) 83 SH_B0
CN1 (85/100) 85 +3V
CN1 (87/100) 87 +3V
CN1 (89/100) 89 +2.5V
CN1 (91/100) 91 GND
CN1 (93/100) 93 ADV_HD
CN1 (95/100) 95 MEMORY_DET
CN1 (97/100) 97 LD_FM
CN1 (99/100) 99 SDA
GND 2 CN1 (2/100)
NC 4 CN1 (4/100)
IE_HD 6 CN1 (6/100)
IE_VD 8 CN1 (8/100)
IE_R11 10 CN1 (10/100)
IE_R10 12 CN1 (12/100)
IE_R9 14 CN1 (14/100)
IE_R8 16 CN1 (16/100)
IE_R7 18 CN1 (18/100)
IE_R6 20 CN1 (20/100)
IE_R5 22 CN1 (22/100)
IE_R4 24 CN1 (24/100)
IE_R3 26 CN1 (26/100)
IE_R2 28 CN1 (28/100)
IE_R1 30 CN1 (30/100)
IE_R0 32 CN1 (32/100)
GND 34 CN1 (34/100)
IE_G11 36 CN1 (36/100)
IE_G10 38 CN1 (38/100)
IE_G9 40 CN1 (40/100)
IE_G8 42 CN1 (42/100)
IE_G7 44 CN1 (44/100)
IE_G6 46 CN1 (46/100)
IE_G5 48 CN1 (48/100)
IE_G4 50 CN1 (50/100)
IE_G3 52 CN1 (52/100)
IE_G2 54 CN1 (54/100)
IE_G1 56 CN1 (56/100)
IE_G0 58 CN1 (58/100)
GND 60 CN1 (60/100)
IE_B11 62 CN1 (62/100)
IE_B10 64 CN1 (64/100)
IE_B9 66 CN1 (66/100)
IE_B8 68 CN1 (68/100)
IE_B7 70 CN1 (70/100)
IE_B6 72 CN1 (72/100)
IE_B5 74 CN1 (74/100)
IE_B4 76 CN1 (76/100)
IE_B3 78 CN1 (78/100)
IE_B2 80 CN1 (80/100)
IE_B1 82 CN1 (82/100)
IE_B0 84 CN1 (84/100)
+3V 86 CN1 (86/100)
+3V 88 CN1 (88/100)
+5V 90 CN1 (90/100)
GND 92 CN1 (92/100)
ADV_VD 94 CN1 (94/100)
NC 96 CN1 (96/100)
RESET 98 CN1 (98/100)
SCL 100 CN1 (100/100)
Note
NM:No Mount

BF-74
LOT NO. 810-


1
2
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5
CN1 (16/20) 16 AD_CAL
CN1 (14/20) 14 AD_POWER_SAVE
CN1 (11/20) 11 R_AD_GAIN
CN1 (12/20) 12 G_AD_GAIN
CN1 (13/20) 13 B_AD_GAIN
CN1 (3/20) 3 R_IN_G
CN1 (2/20) 2 R_IN_X
CN1 (1/20) 1 R_GND
CN1 (10/20) 10 40/50
CN1 (15/20) 15 +2.5V_REF
CN1 (6/20) 6 G_IN_G
CN1 (5/20) 5 G_IN_X
CN1 (4/20) 4 G_GND
CN1 (20/20) 20 +4.7V
CN1 (19/20) 19 +4.7V
CN1 (18/20) 18 GND
CN1 (17/20) 17 GND
CN1 (9/20) 9 B_IN_G
CN1 (8/20) 8 B_IN_X
CN1 (7/20) 7 B_GND
Q2 2SC4177-T1L6
Q3 XN6534-TW
Q1 XN6534-TW
Q4 XN6435-TW
IC1 (2/3) TC74HC4053AFT (EL)
Q6 2SC4178-F13F14-T1
Q5 2SA1611T1-M5M6
FL1 (40 MAN) LPF
FL2 (50 MAN) LPF
CL1 NM
IC2 (4/4) NJU7034V-TE2
IC2 (2/4) NJU7034V-TE2
R A/D IC3 ADS805E-T2
Q20 DTA144EUA-T106
Q7 2SC4177-T1L5L6
IC2 (3/4) NJU7034V-TE2
IC2 (1/4) NJU7034V-TE2
+2.7V
+4.7V-2
B1
DR11 R011 1 CN2 (1/50)
DR10 R010 2 CN2 (2/50)
DR9 R009 3 CN2 (3/50)
DR8 R008 4 CN2 (4/50)
DR7 R007 5 CN2 (5/50)
DR6 R006 6 CN2 (6/50)
DR5 R005 7 CN2 (7/50)
DR4 R004 8 CN2 (8/50)
DR3 R003 9 CN2 (9/50)
DR2 R002 10 CN2 (10/50)
DR1 R001 11 CN2 (11/50)
DR0 R000 12 CN2 (12/50)
Note
NM:No Mount
Q9 2SC4177-T1L6
Q10 XN6534-TW
Q8 XN6534-TW
Q11 XN6435-TW
IC1 (3/3) TC74HC4053AFT (EL)
Q13 2SC4178-F13F14-T1
Q12 2SA1611T1-M5M6
FL3 (40 MAN) LPF
FL4 (50 MAN) LPF
CL2 NM
IC4 (1/4) NJU7034V-TE2
IC4 (4/4) NJU7034V-TE2
G A/D IC5 ADS805E-T2
B2
NC 40 CN2 (40/50)
AD_RESET 39 CN2 (39/50)
DG11 G011 13 CN2 (13/50)
DG10 G010 14 CN2 (14/50)
DG9 G009 15 CN2 (15/50)
DG8 G008 16 CN2 (16/50)
DG7 G007 17 CN2 (17/50)
DG6 G006 18 CN2 (18/50)
DG5 G005 19 CN2 (19/50)
DG4 G004 20 CN2 (20/50)
DG3 G003 21 CN2 (21/50)
DG2 G002 22 CN2 (22/50)
DG1 G001 23 CN2 (23/50)
DG0 G000 24 CN2 (24/50)
Q15 2SC4177-T1L6
Q16 XN6534-TW
Q14 XN6534-TW
Q17 XN6435-TW
IC1 (1/3) TC74HC4053AFT (EL)
Q19 2SC4178-F13F14-T1
Q18 2SA1611T1-M5M6
FL5 (40 MAN) LPF
FL6 (50 MAN) LPF
CL3 NM
IC4 (3/4) NJU7034V-TE2
IC4 (2/4) NJU7034V-TE2
B A/D IC6 ADS805E-T2
B3
DB11 B011 25 CN2 (25/50)
DB10 B010 26 CN2 (26/50)
DB9 B009 27 CN2 (27/50)
DB8 B008 28 CN2 (28/50)
DB7 B007 29 CN2 (29/50)
DB6 B006 30 CN2 (30/50)
DB5 B005 31 CN2 (31/50)
DB4 B004 32 CN2 (32/50)
DB3 B003 33 CN2 (33/50)
DB2 B002 34 CN2 (34/50)
DB1 B001 35 CN2 (35/50)
DB0 B000 36 CN2 (36/50)
AD_CLK 37 CN2 (37/50)
R/B_CLK 38 CN2 (38/50)
+2.7V 50 CN2 (50/50)
+2.7V 49 CN2 (49/50)
GND 48 CN2 (48/50)
GND 47 CN2 (47/50)
GND 46 CN2 (46/50)
GND 45 CN2 (45/50)
GND 44 CN2 (44/50)
GND 43 CN2 (43/50)
GND 42 CN2 (42/50)
GND 41 CN2 (41/50)
C57 0.1uF
C58 10uF 10V

AD-155
LOT NO. 810-

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

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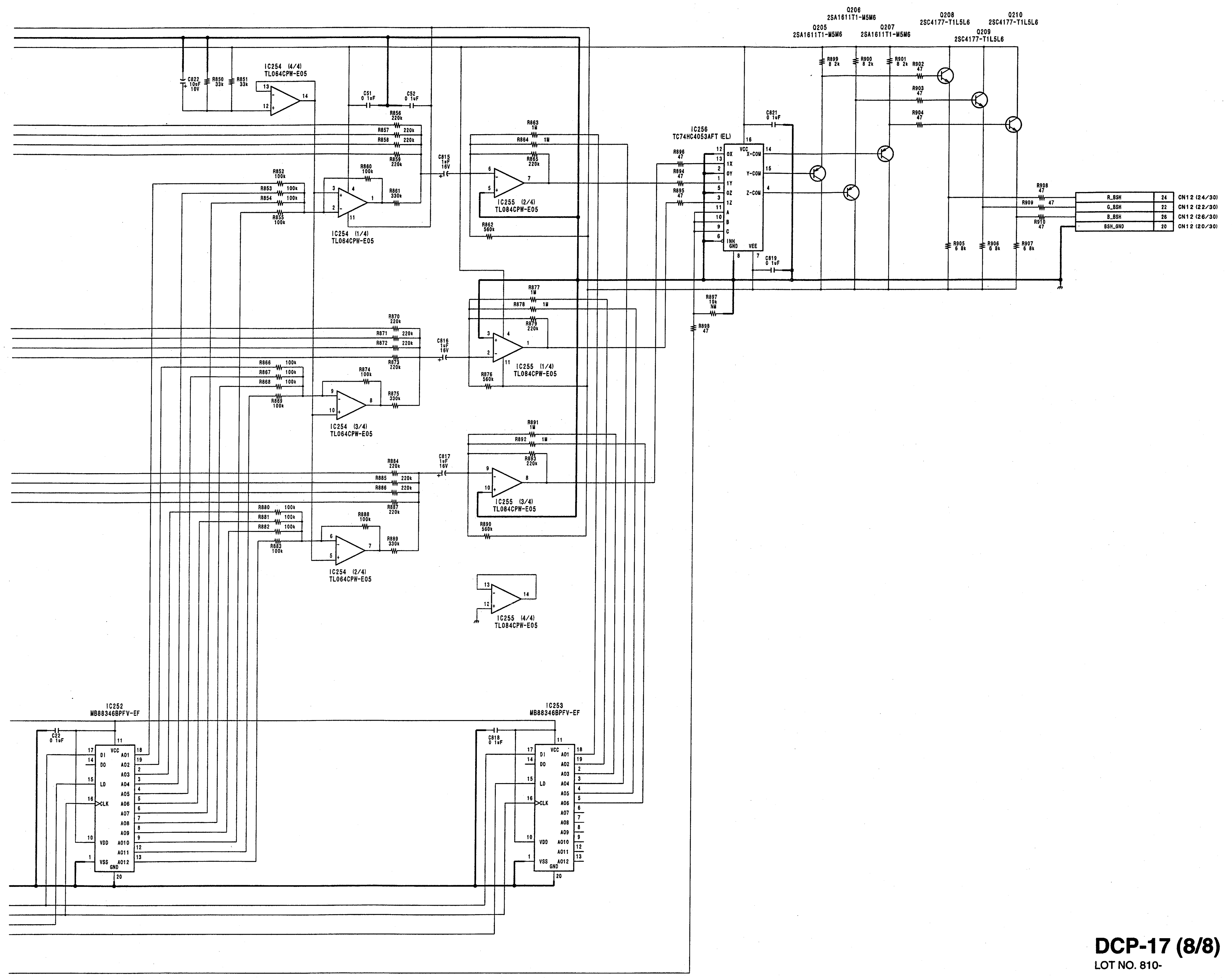
DCP-17 (8/8)



1
2
3
4
5
C822
10uF
10V
R850
33k
R851
33k
IC254 (4/4)
TL064CPW-E05
13
12
14
C51
0 1uF
C52
0 1uF
R856
220k
R857
220k
R858
220k
R859
220k
R852
100k
R853
100k
R854
100k
R855
100k
R860
100k
R861
330k
IC254 (1/4)
TL064CPW-E05
C815
1uF
16V
R863
1M
R864
1M
R865
220k
R862
560k
IC255 (2/4)
TL084CPW-E05
IC256
TC74HC4053AFT (EL)
VCC
X-COM
Y-COM
Z-COM
0X
1X
0Y
1Y
0Z
1Z
A
B
C
INH
GND
VEE
R896
47
R894
47
R895
47
C821
0 1uF
C819
0 1uF
R897
10k
NM
R898
47
Q205
2SA1611T1-M5M6
Q206
2SA1611T1-M5M6
Q207
2SA1611T1-M5M6
Q208
2SC4177-T1L5L6
Q209
2SC4177-T1L5L6
Q210
2SC4177-T1L5L6
R899
8 2k
R900
8 2k
R901
8 2k
R902
47
R903
47
R904
47
R905
6 8k
R906
6 8k
R907
6 8k
R908
47
R909
47
R910
47
R_BSH
G_BSH
B_BSH
BSH_GND
24
22
26
20
CN12 (24/30)
CN12 (22/30)
CN12 (26/30)
CN12 (20/30)
R870
220k
R871
220k
R872
220k
R873
220k
R866
100k
R867
100k
R868
100k
R869
100k
R874
100k
R875
330k
IC254 (3/4)
TL064CPW-E05
C816
1uF
16V
R877
1M
R878
1M
R879
220k
R876
560k
IC255 (1/4)
TL084CPW-E05
R884
220k
R885
220k
R886
220k
R887
220k
R880
100k
R881
100k
R882
100k
R883
100k
R888
100k
R889
330k
IC254 (2/4)
TL064CPW-E05
C817
1uF
16V
R891
1M
R892
1M
R893
220k
R890
560k
IC255 (3/4)
TL084CPW-E05
IC255 (4/4)
TL084CPW-E05
IC252
MB88346BPFV-EF
C22
0 1uF
IC253
MB88346BPFV-EF
C818
0 1uF
VCC
DI
DO
LD
CLK
VDD
VSS
GND
AO1
AO2
AO3
AO4
AO5
AO6
AO7
AO8
AO9
AO10
AO11
AO12
I
J
K
L
M
N
O
P

DCP-17 (8/8)

LOT NO. 810-

DCP-17 (8/8)

DCP-17 (8/8)

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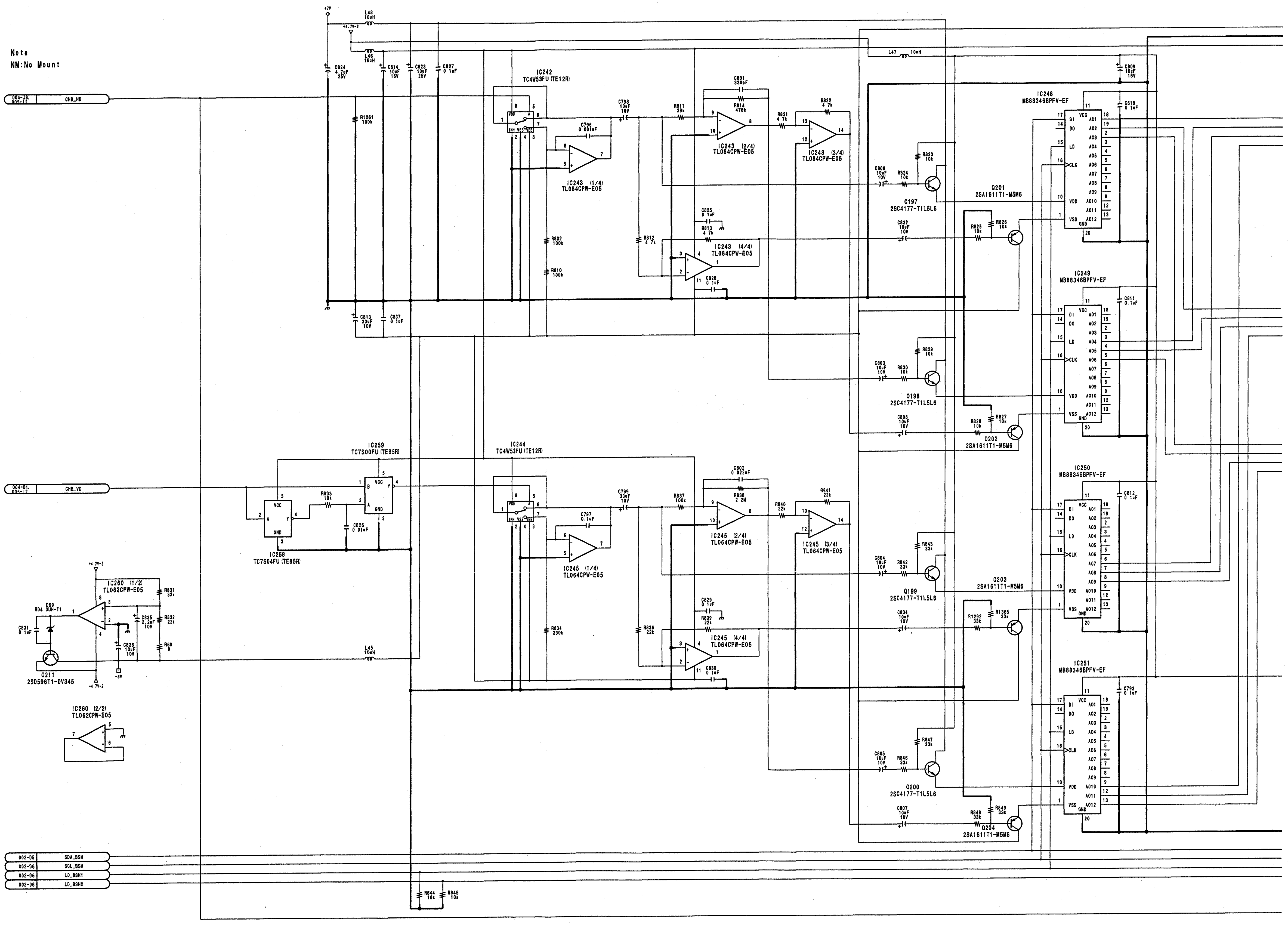
Note
NM:No Mount
CHB_HD
CHB_VD
SDA_BSH
SCL_BSH
LD_BSH1
LD_BSH2
+7V
L48 10uH
L46 10uH
L47 10uH
L45 10uH
IC242 TC4W53FU (TE12R)
IC243 (1/4) TL084CPW-E05
IC243 (2/4) TL084CPW-E05
IC243 (3/4) TL084CPW-E05
IC243 (4/4) TL084CPW-E05
IC244 TC4W53FU (TE12R)
IC245 (1/4) TL084CPW-E05
IC245 (2/4) TL084CPW-E05
IC245 (3/4) TL084CPW-E05
IC245 (4/4) TL084CPW-E05
IC248 MB88346BPFV-EF
IC249 MB88346BPFV-EF
IC250 MB88346BPFV-EF
IC251 MB88346BPFV-EF
IC259 TC7S00FU (TE85R)
IC258 TC7S04FU (TE85R)
IC260 (1/2) TL062CPW-E05
IC260 (2/2) TL062CPW-E05
D69 RD4 3UH-T1
Q211 2SD596T1-DV345
Q197 2SC4177-T1L5L6
Q198 2SC4177-T1L5L6
Q199 2SC4177-T1L5L6
Q200 2SC4177-T1L5L6
Q201 2SA1611T1-M5M6
Q202 2SA1611T1-M5M6
Q203 2SA1611T1-M5M6
Q204 2SA1611T1-M5M6
R844 10k
R845 10k
-3V

4-34

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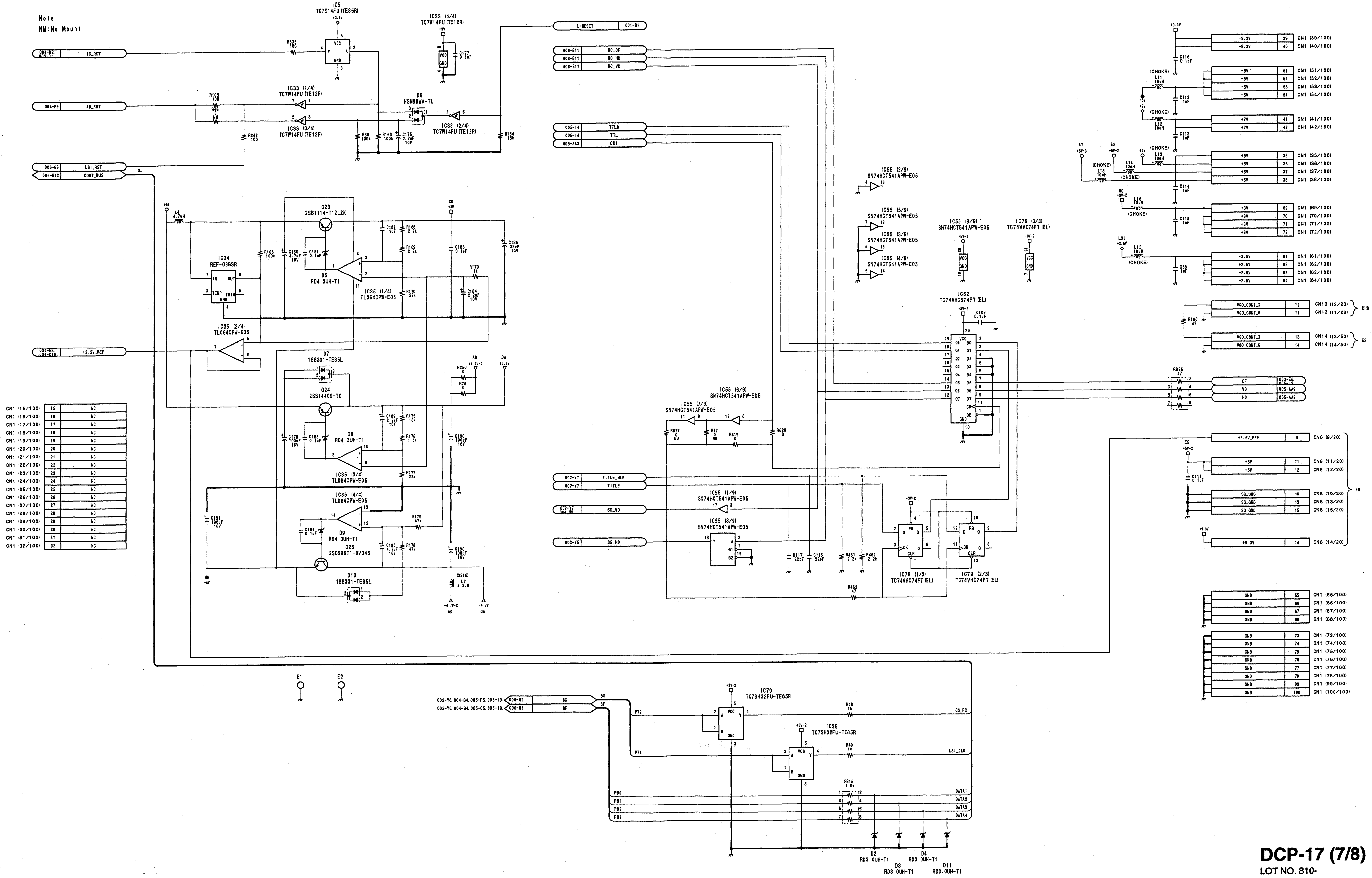
DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

A | B | C | D | E | F | G | H

DCP-17 (7/8)

DCP-17 (7/8)


Note
NM:No Mount
IC5 TC7S14FU (TE85R)
IC33 (4/4) TC7W14FU (TE12R)
IC33 (1/4) TC7W14FU (TE12R)
IC33 (3/4) TC7W14FU (TE12R)
IC33 (2/4) TC7W14FU (TE12R)
D6 HSM88WA-TL
IC_RST
AD_RST
LSI_RST
CONT_BUS
L-RESET
RC_CF
RC_HD
RC_VD
TTLB
TTL
CK1
Q23 2SB1114-T1ZLZK
IC34 REF-03GSR
D5 RD4 3UH-T1
IC35 (1/4) TL064CPW-E05
IC35 (2/4) TL064CPW-E05
+2.5V_REF
D7 1SS301-TE85L
Q24 2SB1440S-TX
D8 RD4 3UH-T1
IC35 (3/4) TL064CPW-E05
IC35 (4/4) TL064CPW-E05
D9 RD4 3UH-T1
Q25 2SD596T1-DV345
D10 1SS301-TE85L
IC55 (2/9) SN74HCT541APW-E05
IC55 (5/9) SN74HCT541APW-E05
IC55 (3/9) SN74HCT541APW-E05
IC55 (4/9) SN74HCT541APW-E05
IC55 (9/9) SN74HCT541APW-E05
IC79 (3/3) TC74VHC74FT (EL)
IC62 TC74VHC574FT (EL)
IC55 (6/9) SN74HCT541APW-E05
IC55 (7/9) SN74HCT541APW-E05
IC55 (1/9) SN74HCT541APW-E05
IC55 (8/9) SN74HCT541APW-E05
TITLE_BLK
TITLE
SG_VD
SG_HD
IC79 (1/3) TC74VHC74FT (EL)
IC79 (2/3) TC74VHC74FT (EL)
E1
E2
BG
BF
IC70 TC7SH32FU-TE85R
IC36 TC7SH32FU-TE85R
CS_RC
LSI_CLK
DATA1
DATA2
DATA3
DATA4
D2 RD3 0UH-T1
D3 RD3 0UH-T1
D4 RD3 0UH-T1
D11 RD3.0UH-T1
CF
VD
HD
VCO_CONT_X
VCO_CONT_G
CN13 (12/20)
CN13 (11/20)
CHB
CN14 (13/50)
CN14 (14/50)
ES
CN6 (9/20)
CN6 (11/20)
CN6 (12/20)
CN6 (10/20)
CN6 (13/20)
CN6 (15/20)
CN6 (14/20)
SG_GND
+9.3V
-5V
+7V
+5V
+3V
+2.5V
GND
(CHOKE)
CN1 (15/100) – CN1 (32/100) NC
CN1 (39/100) CN1 (40/100)
CN1 (51/100) – CN1 (54/100)
CN1 (41/100) CN1 (42/100)
CN1 (35/100) – CN1 (38/100)
CN1 (69/100) – CN1 (72/100)
CN1 (61/100) – CN1 (64/100)
CN1 (65/100) – CN1 (68/100)
CN1 (73/100) – CN1 (78/100)
CN1 (99/100) CN1 (100/100)
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DCP-17 (7/8)
LOT NO. 810-

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

A | B | C | D | E | F | G | H

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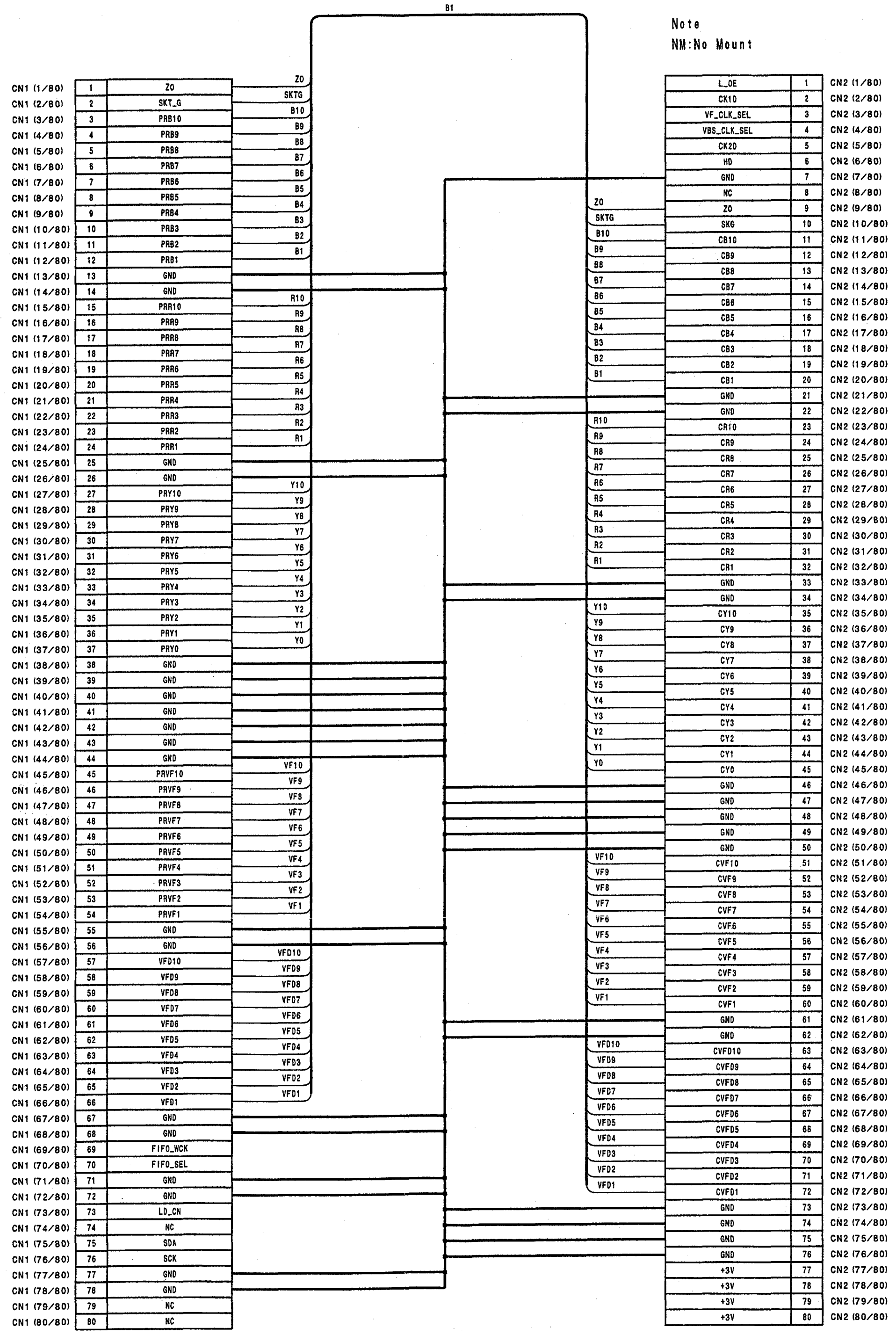
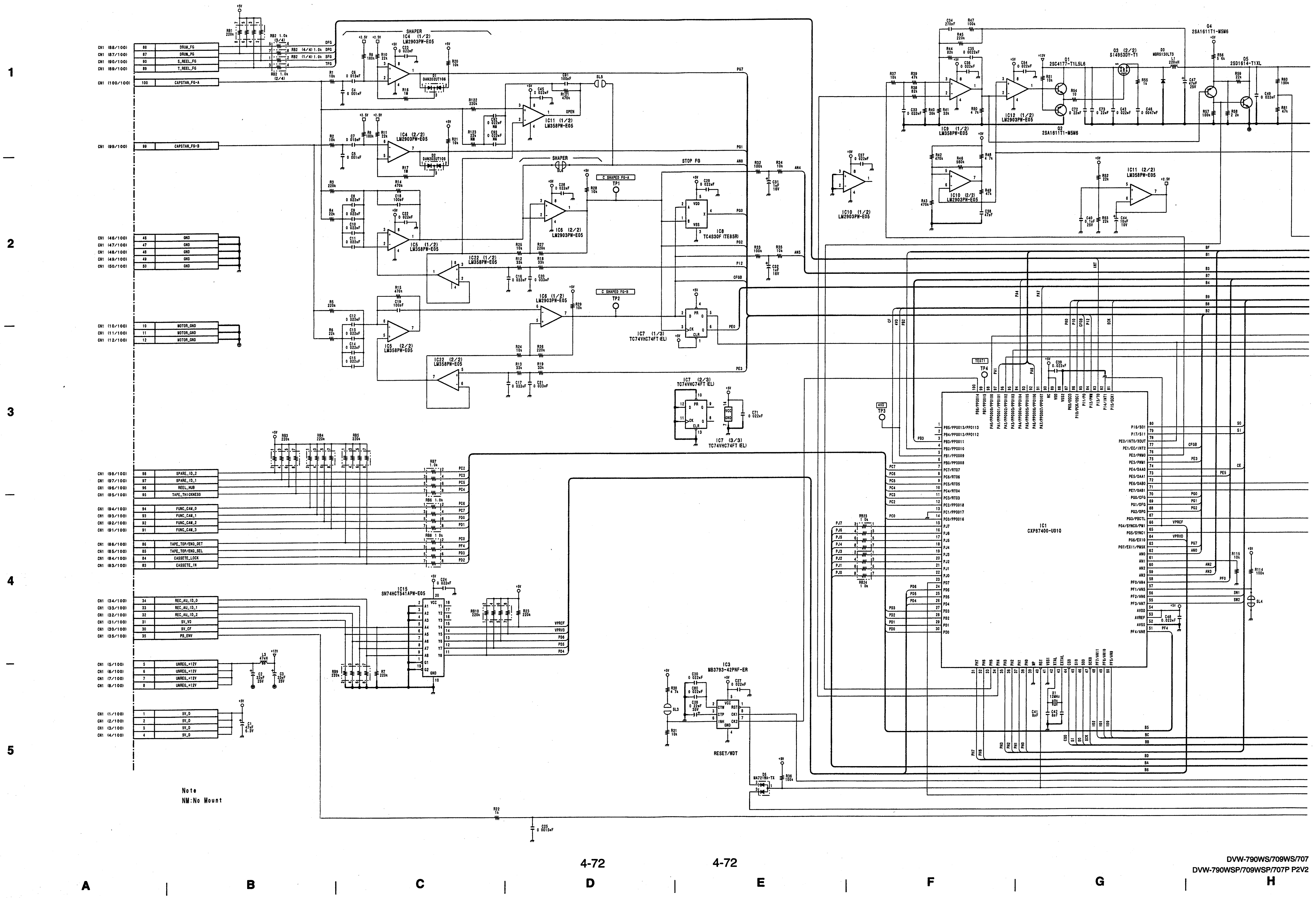
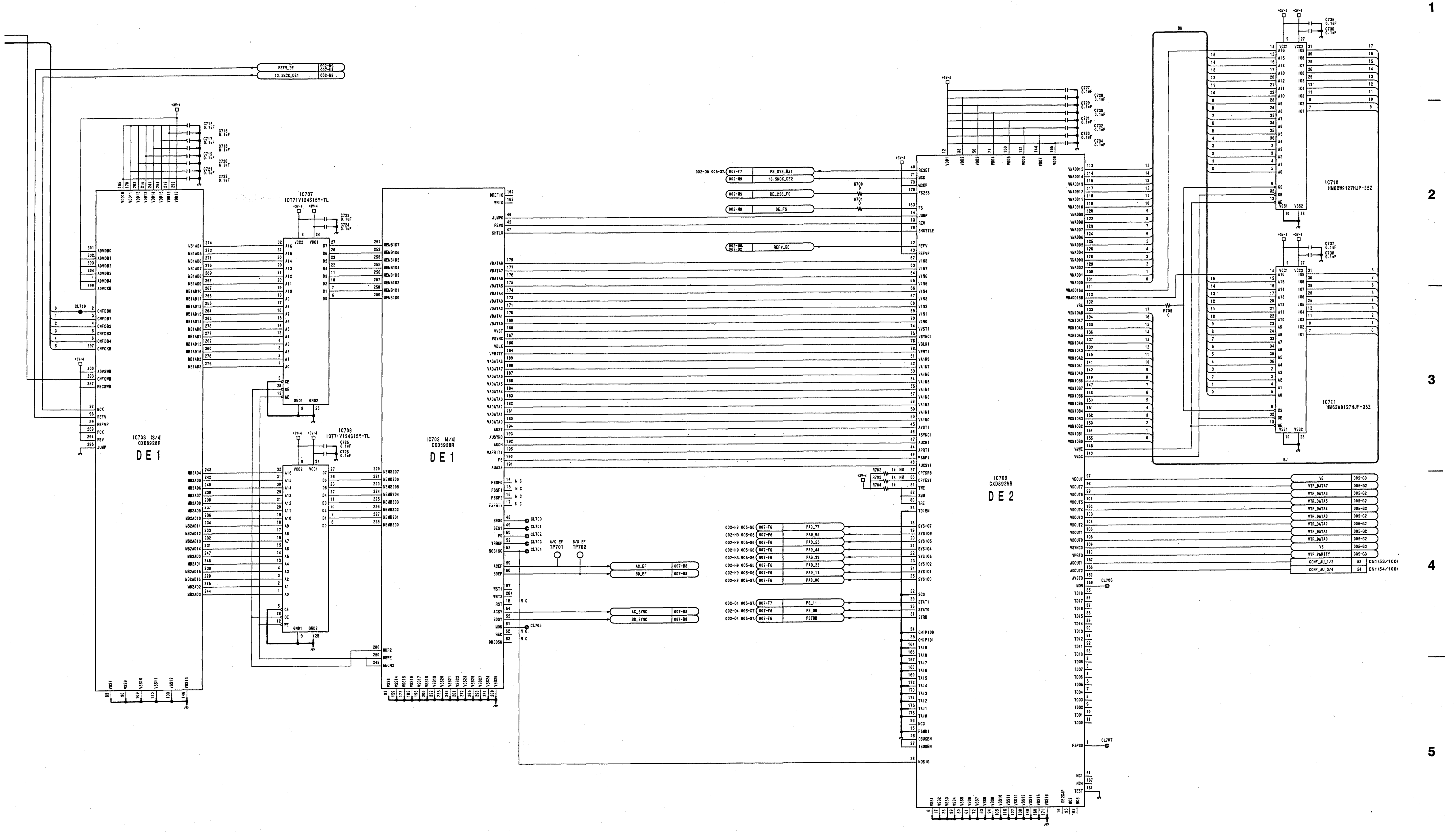

CN1 (1/80) 1 Z0
CN1 (2/80) 2 SKT_G
CN1 (3/80) 3 PRB10
CN1 (4/80) 4 PRB9
CN1 (5/80) 5 PRB8
CN1 (6/80) 6 PRB7
CN1 (7/80) 7 PRB6
CN1 (8/80) 8 PRB5
CN1 (9/80) 9 PRB4
CN1 (10/80) 10 PRB3
CN1 (11/80) 11 PRB2
CN1 (12/80) 12 PRB1
CN1 (13/80) 13 GND
CN1 (14/80) 14 GND
CN1 (15/80) 15 PRR10
CN1 (16/80) 16 PRR9
CN1 (17/80) 17 PRR8
CN1 (18/80) 18 PRR7
CN1 (19/80) 19 PRR6
CN1 (20/80) 20 PRR5
CN1 (21/80) 21 PRR4
CN1 (22/80) 22 PRR3
CN1 (23/80) 23 PRR2
CN1 (24/80) 24 PRR1
CN1 (25/80) 25 GND
CN1 (26/80) 26 GND
CN1 (27/80) 27 PRY10
CN1 (28/80) 28 PRY9
CN1 (29/80) 29 PRY8
CN1 (30/80) 30 PRY7
CN1 (31/80) 31 PRY6
CN1 (32/80) 32 PRY5
CN1 (33/80) 33 PRY4
CN1 (34/80) 34 PRY3
CN1 (35/80) 35 PRY2
CN1 (36/80) 36 PRY1
CN1 (37/80) 37 PRY0
CN1 (38/80) 38 GND
CN1 (39/80) 39 GND
CN1 (40/80) 40 GND
CN1 (41/80) 41 GND
CN1 (42/80) 42 GND
CN1 (43/80) 43 GND
CN1 (44/80) 44 GND
CN1 (45/80) 45 PRVF10
CN1 (46/80) 46 PRVF9
CN1 (47/80) 47 PRVF8
CN1 (48/80) 48 PRVF7
CN1 (49/80) 49 PRVF6
CN1 (50/80) 50 PRVF5
CN1 (51/80) 51 PRVF4
CN1 (52/80) 52 PRVF3
CN1 (53/80) 53 PRVF2
CN1 (54/80) 54 PRVF1
CN1 (55/80) 55 GND
CN1 (56/80) 56 GND
CN1 (57/80) 57 VFD10
CN1 (58/80) 58 VFD9
CN1 (59/80) 59 VFD8
CN1 (60/80) 60 VFD7
CN1 (61/80) 61 VFD6
CN1 (62/80) 62 VFD5
CN1 (63/80) 63 VFD4
CN1 (64/80) 64 VFD3
CN1 (65/80) 65 VFD2
CN1 (66/80) 66 VFD1
CN1 (67/80) 67 GND
CN1 (68/80) 68 GND
CN1 (69/80) 69 FIFO_WCK
CN1 (70/80) 70 FIFO_SEL
CN1 (71/80) 71 GND
CN1 (72/80) 72 GND
CN1 (73/80) 73 LD_CN
CN1 (74/80) 74 NC
CN1 (75/80) 75 SDA
CN1 (76/80) 76 SCK
CN1 (77/80) 77 GND
CN1 (78/80) 78 GND
CN1 (79/80) 79 NC
CN1 (80/80) 80 NC
Z0
SKTG
B10
B9
B8
B7
B6
B5
B4
B3
B2
B1
R10
R9
R8
R7
R6
R5
R4
R3
R2
R1
Y10
Y9
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
Y0
VF10
VF9
VF8
VF7
VF6
VF5
VF4
VF3
VF2
VF1
VFD10
VFD9
VFD8
VFD7
VFD6
VFD5
VFD4
VFD3
VFD2
VFD1
B1
Z0
SKTG
B10
B9
B8
B7
B6
B5
B4
B3
B2
B1
R10
R9
R8
R7
R6
R5
R4
R3
R2
R1
Y10
Y9
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
Y0
VF10
VF9
VF8
VF7
VF6
VF5
VF4
VF3
VF2
VF1
VFD10
VFD9
VFD8
VFD7
VFD6
VFD5
VFD4
VFD3
VFD2
VFD1
L_OE 1 CN2 (1/80)
CK10 2 CN2 (2/80)
VF_CLK_SEL 3 CN2 (3/80)
VBS_CLK_SEL 4 CN2 (4/80)
CK20 5 CN2 (5/80)
HD 6 CN2 (6/80)
GND 7 CN2 (7/80)
NC 8 CN2 (8/80)
Z0 9 CN2 (9/80)
SKG 10 CN2 (10/80)
CB10 11 CN2 (11/80)
CB9 12 CN2 (12/80)
CB8 13 CN2 (13/80)
CB7 14 CN2 (14/80)
CB6 15 CN2 (15/80)
CB5 16 CN2 (16/80)
CB4 17 CN2 (17/80)
CB3 18 CN2 (18/80)
CB2 19 CN2 (19/80)
CB1 20 CN2 (20/80)
GND 21 CN2 (21/80)
GND 22 CN2 (22/80)
CR10 23 CN2 (23/80)
CR9 24 CN2 (24/80)
CR8 25 CN2 (25/80)
CR7 26 CN2 (26/80)
CR6 27 CN2 (27/80)
CR5 28 CN2 (28/80)
CR4 29 CN2 (29/80)
CR3 30 CN2 (30/80)
CR2 31 CN2 (31/80)
CR1 32 CN2 (32/80)
GND 33 CN2 (33/80)
GND 34 CN2 (34/80)
CY10 35 CN2 (35/80)
CY9 36 CN2 (36/80)
CY8 37 CN2 (37/80)
CY7 38 CN2 (38/80)
CY6 39 CN2 (39/80)
CY5 40 CN2 (40/80)
CY4 41 CN2 (41/80)
CY3 42 CN2 (42/80)
CY2 43 CN2 (43/80)
CY1 44 CN2 (44/80)
CY0 45 CN2 (45/80)
GND 46 CN2 (46/80)
GND 47 CN2 (47/80)
GND 48 CN2 (48/80)
GND 49 CN2 (49/80)
GND 50 CN2 (50/80)
CVF10 51 CN2 (51/80)
CVF9 52 CN2 (52/80)
CVF8 53 CN2 (53/80)
CVF7 54 CN2 (54/80)
CVF6 55 CN2 (55/80)
CVF5 56 CN2 (56/80)
CVF4 57 CN2 (57/80)
CVF3 58 CN2 (58/80)
CVF2 59 CN2 (59/80)
CVF1 60 CN2 (60/80)
GND 61 CN2 (61/80)
GND 62 CN2 (62/80)
CVFD10 63 CN2 (63/80)
CVFD9 64 CN2 (64/80)
CVFD8 65 CN2 (65/80)
CVFD7 66 CN2 (66/80)
CVFD6 67 CN2 (67/80)
CVFD5 68 CN2 (68/80)
CVFD4 69 CN2 (69/80)
CVFD3 70 CN2 (70/80)
CVFD2 71 CN2 (71/80)
CVFD1 72 CN2 (72/80)
GND 73 CN2 (73/80)
GND 74 CN2 (74/80)
GND 75 CN2 (75/80)
GND 76 CN2 (76/80)
+3V 77 CN2 (77/80)
+3V 78 CN2 (78/80)
+3V 79 CN2 (79/80)
+3V 80 CN2 (80/80)

Note
NM:No Mount

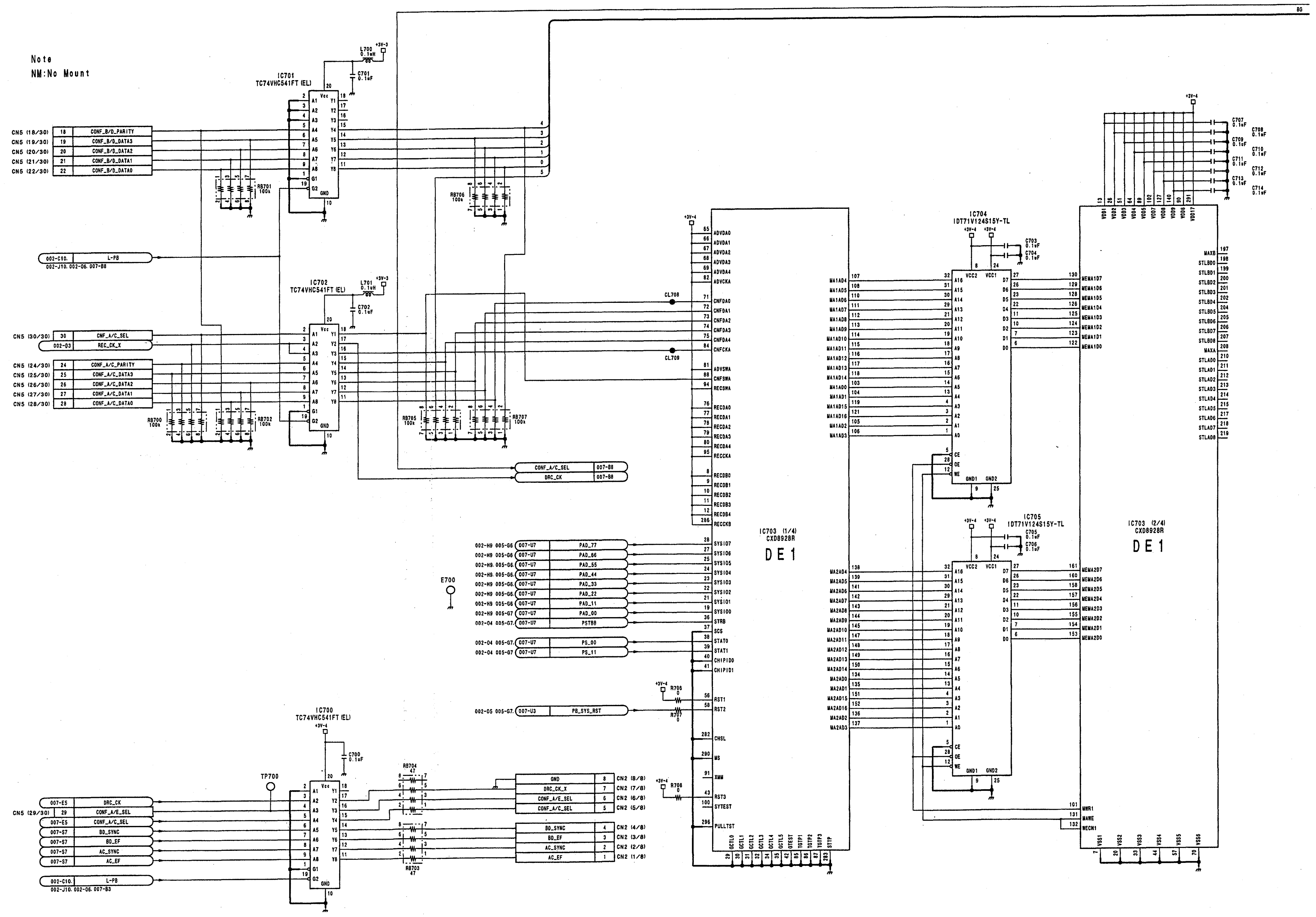
CN-1573 (for DVW-707/707P)
LOT NO. 811-


SHAPER
IC4 (1/2) LM2903PW-E05
IC4 (2/2) LM2903PW-E05
IC5 (1/2) LM358PW-E05
IC5 (2/2) LM358PW-E05
IC6 (1/2) LM2903PW-E05
IC6 (2/2) LM2903PW-E05
IC11 (1/2) LM358PW-E05
IC11 (2/2) LM358PW-E05
IC22 (1/2) LM358PW-E05
IC22 (2/2) LM358PW-E05
IC8 TC4S30F (TE85R)
IC7 (1/3) TC74VHC74FT (EL)
IC7 (2/3) TC74VHC74FT (EL)
IC7 (3/3) TC74VHC74FT (EL)
IC9 (1/2) LM358PW-E05
IC10 (1/2) LM2903PW-E05
IC10 (2/2) LM2903PW-E05
IC12 (1/2) LM2903PW-E05
IC15 SN74HCT541APW-E05
IC3 MB3793-42PNF-ER
RESET/WDT
IC1 CXP87400-U010
Q1 2SC4177-T1L5L6
Q2 2SA1611T1-M5M6
Q3 (2/2) SI4953DY-T1
Q4 2SA1611T1-M5M6
Q5 2SD1614-T1XL
D3 MBRS130LT3
D5 MA7218A-TX
C SHAPED FG-A
C SHAPED FG-B
TP1
TP2
TP3
TP4
STOP FG
DRUM_FG
S_REEL_FG
T_REEL_FG
CAPSTAN_FG-A
CAPSTAN_FG-B
GND
MOTOR_GND
SPARE_ID_2
SPARE_ID_1
REEL_HUB
TAPE_THICKNESS
FUNC_CAM_0
FUNC_CAM_1
FUNC_CAM_2
FUNC_CAM_3
TAPE_TOP/END_DET
TAPE_TOP/END_SEL
CASSETE_LOCK
CASSETE_IN
REC_AU_ID_0
REC_AU_ID_1
REC_AU_ID_2
SV_VD
SV_CF
PB_ENV
UNREG_+12V
SV_D
Note
NM:No Mount
1
2
3
4
5
A
B
C
D
E
F
G
H


IC703 (3/4)
CXD8928R
DE1
IC707
IDT71V124S15Y-TL
IC708
IDT71V124S15Y-TL
IC703 (4/4)
CXD8928R
DE1
IC709
CXD8929R
DE2
IC710
HM62W9127HJP-35Z
IC711
HM62W9127HJP-35Z
REFV_DE
13.5MCK_DE1
PB_SYS_RST
13.5MCK_DE2
DE_256_FS
DE_FS
REFV_DE
A/C EF
TP701
B/D EF
TP702
AC_EF
BD_EF
AC_SYNC
BD_SYNC
PAD_77
PAD_66
PAD_55
PAD_44
PAD_33
PAD_22
PAD_11
PAD_00
PS_11
PS_00
PSTBB
VE
VTR_DATA7
VTR_DATA6
VTR_DATA5
VTR_DATA4
VTR_DATA3
VTR_DATA2
VTR_DATA1
VTR_DATA0
VS
VTR_PARITY
CONF_AU_1/2
CONF_AU_3/4
CN1(53/100)
CN1(54/100)
CL706
CL707
1
2
3
4
5
I
J
K
L
M
N
O
P

DVP-14 (7/7)
LOT NO. 810-

DVP-14 (7/7)


Note
NM:No Mount
IC701
TC74VHC541FT (EL)
IC702
TC74VHC541FT (EL)
IC700
TC74VHC541FT (EL)
IC703 (1/4)
CXD8928R
DE1
IC703 (2/4)
CXD8928R
DE1
IC704
IDT71V124S15Y-TL
IC705
IDT71V124S15Y-TL
L700
L701
C700
C701
C702
RB700
RB701
RB702
RB703
RB704
RB705
RB706
RB707
CL708
CL709
E700
TP700
R700
R707
R708
CONF_B/D_PARITY
CONF_B/D_DATA3
CONF_B/D_DATA2
CONF_B/D_DATA1
CONF_B/D_DATA0
CNF_A/C_SEL
REC_CK_X
CONF_A/C_PARITY
CONF_A/C_DATA3
CONF_A/C_DATA2
CONF_A/C_DATA1
CONF_A/C_DATA0
L-PB
CONF_A/C_SEL
DRC_CK
PAD_77
PAD_66
PAD_55
PAD_44
PAD_33
PAD_22
PAD_11
PAD_00
PSTB0
PS_00
PS_11
PB_SYS_RST
DRC_CK
CONF_A/E_SEL
CONF_A/C_SEL
BD_SYNC
BD_EF
AC_SYNC
AC_EF
GND
DRC_CK_X
CONF_A/E_SEL
CONF_A/C_SEL
CN2 (8/8)
CN2 (7/8)
CN2 (6/8)
CN2 (5/8)
CN2 (4/8)
CN2 (3/8)
CN2 (2/8)
CN2 (1/8)
CN5 (18/30)
CN5 (19/30)
CN5 (20/30)
CN5 (21/30)
CN5 (22/30)
CN5 (30/30)
CN5 (24/30)
CN5 (25/30)
CN5 (26/30)
CN5 (27/30)
CN5 (28/30)
CN5 (29/30)

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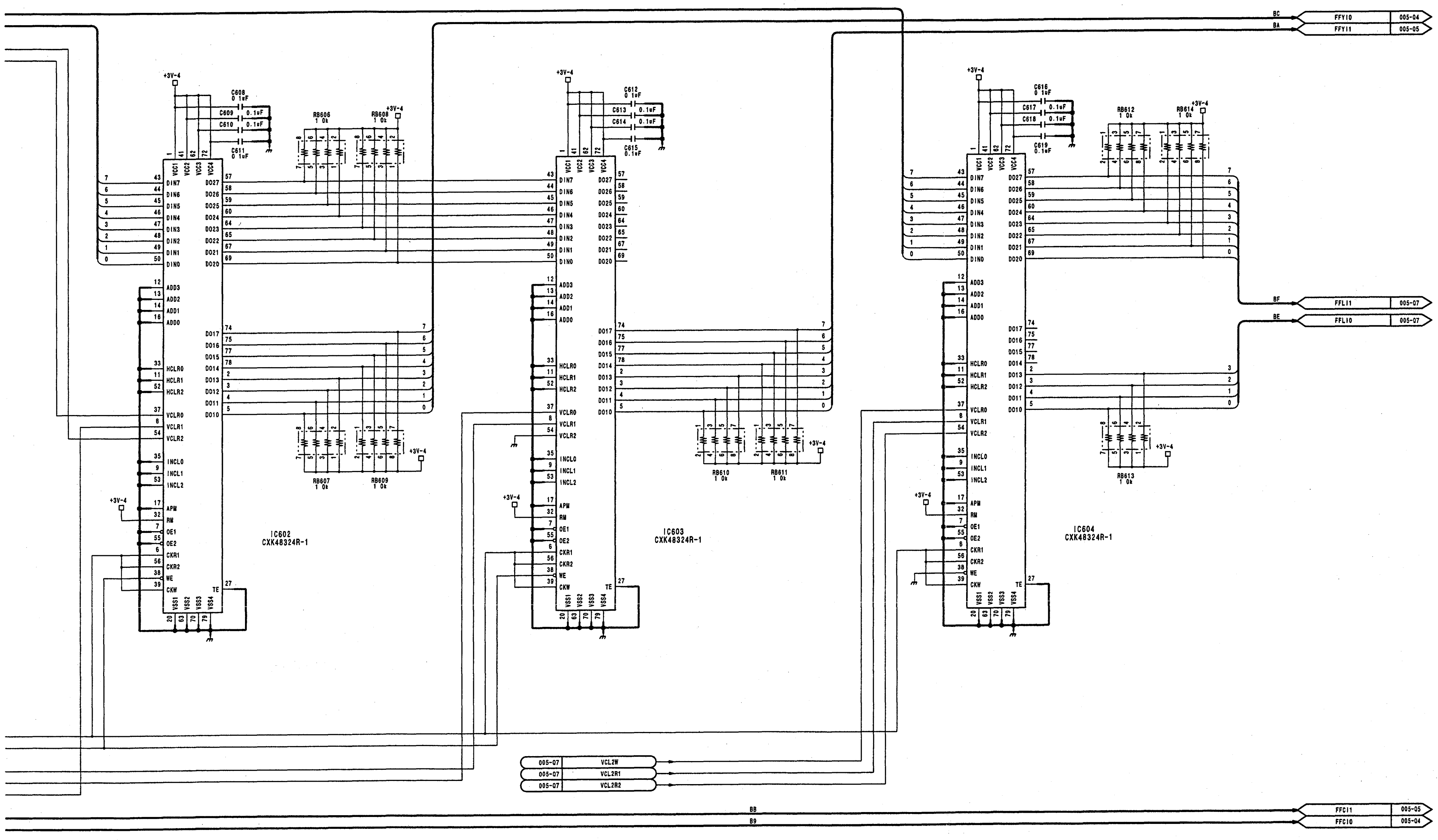
DVP-14 (6/7)


IC602
CXK48324R-1
IC603
CXK48324R-1
IC604
CXK48324R-1
FFY10 005-04
FFY11 005-05
FFL11 005-07
FFL10 005-07
005-07 VCL2W
005-07 VCL2R1
005-07 VCL2R2
FFC11 005-05
FFC10 005-04
+3V-4

DVP-14 (6/7)

LOT NO. 810-

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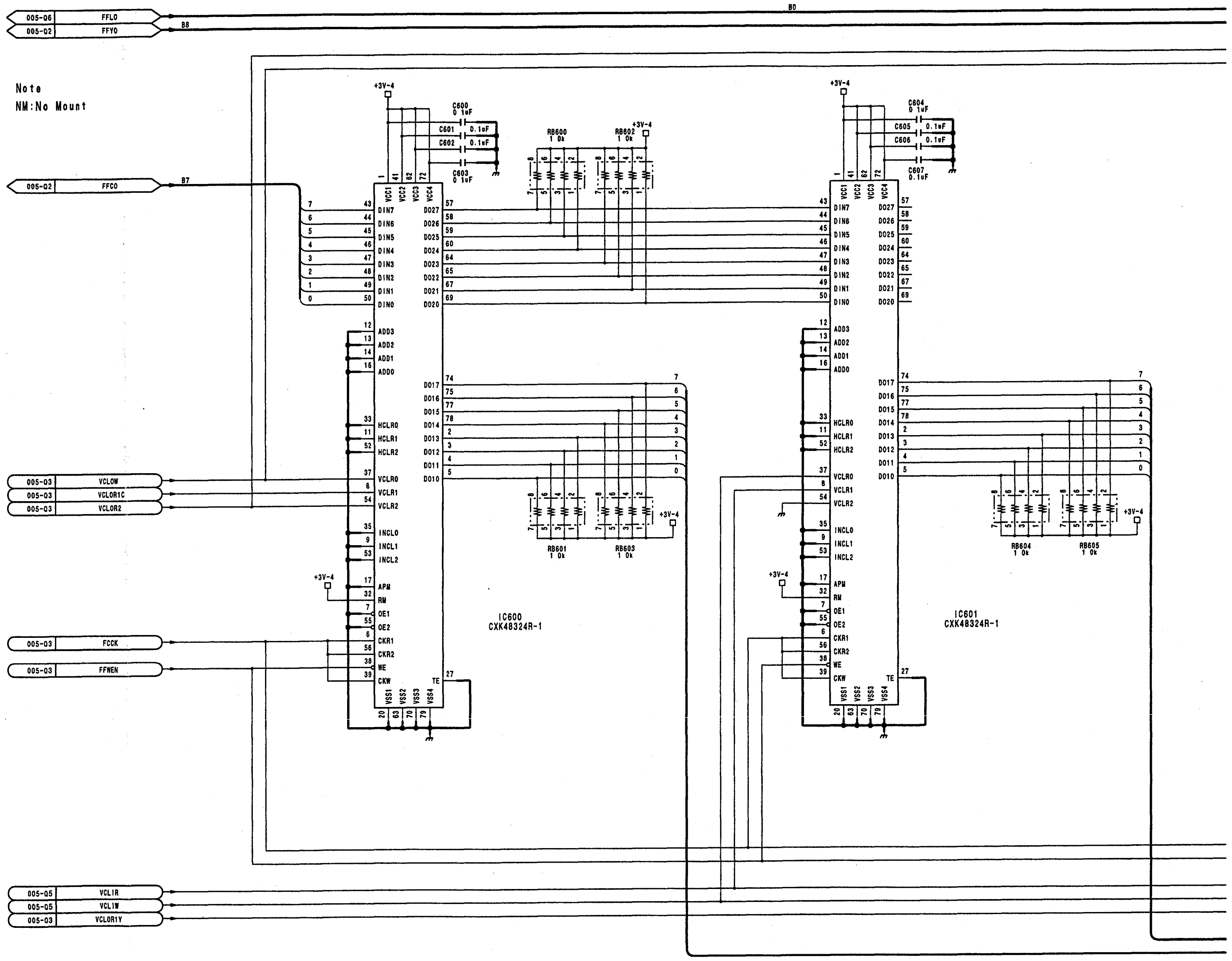
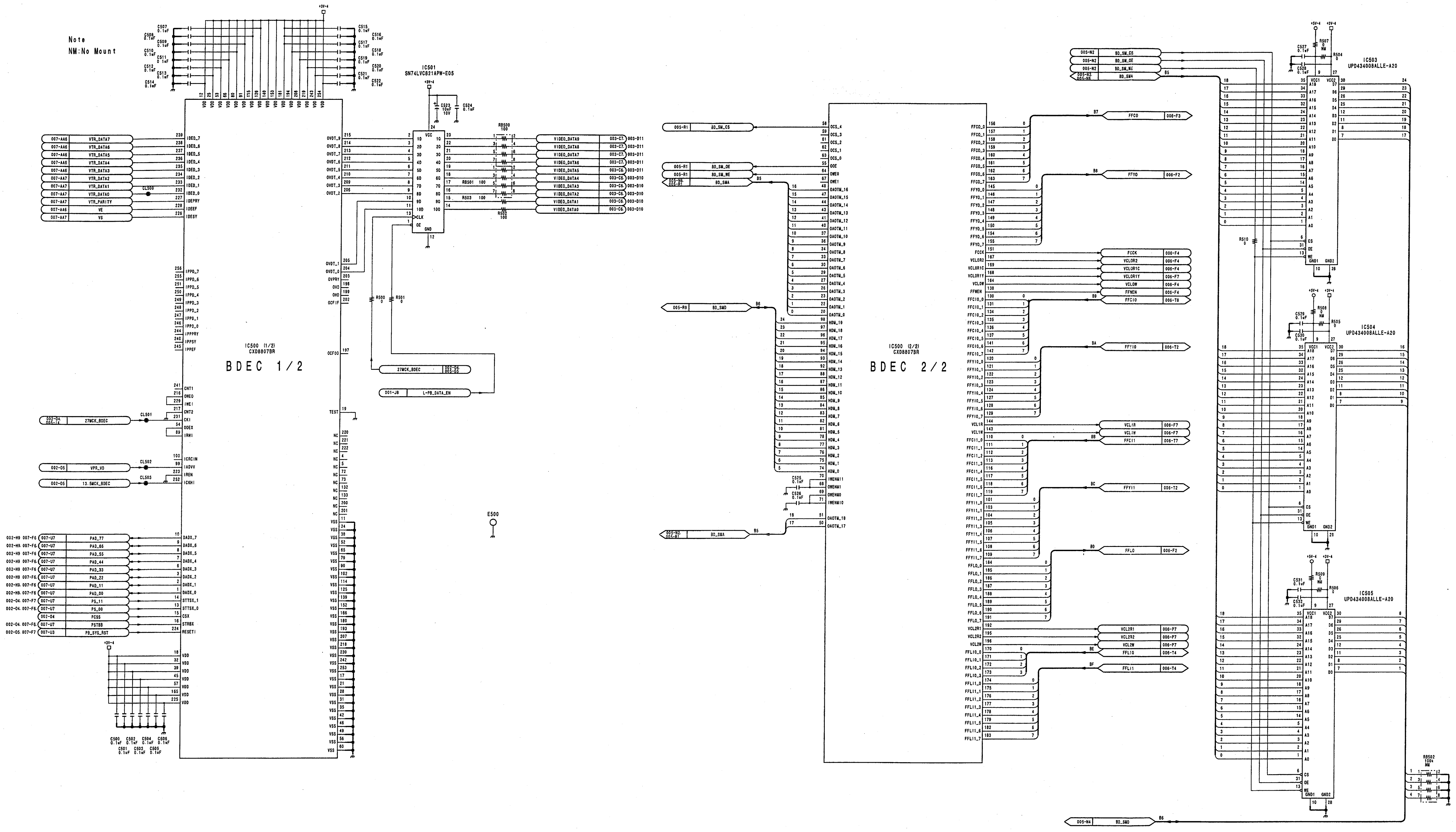
DVP-14 (6/7)

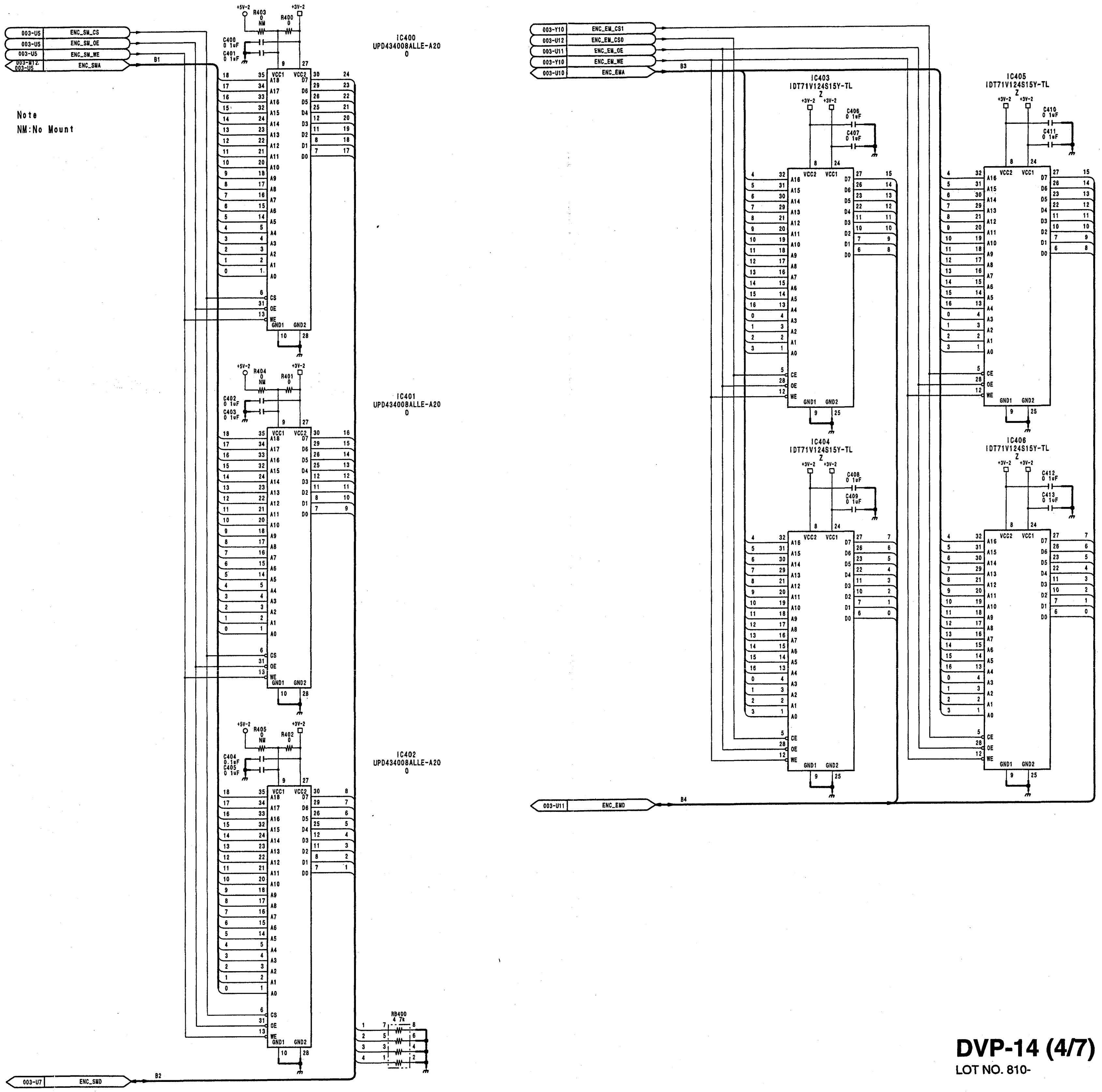

005-Q6 FFLO
005-Q2 FFYO
B8
BD
Note
NM:No Mount
005-Q2 FFCO
B7
+3V-4
C600 0.1uF
C601 0.1uF
C602 0.1uF
C603 0.1uF
RB600 1.0k
RB602 1.0k
VCC1 VCC2 VCC3 VCC4
DIN7 DIN6 DIN5 DIN4 DIN3 DIN2 DIN1 DIN0
DO27 DO26 DO25 DO24 DO23 DO22 DO21 DO20
ADD3 ADD2 ADD1 ADD0
HCLR0 HCLR1 HCLR2
DO17 DO16 DO15 DO14 DO13 DO12 DO11 DO10
005-Q3 VCLOW
005-Q3 VCLOR1C
005-Q3 VCLOR2
VCLR0 VCLR1 VCLR2
INCL0 INCL1 INCL2
APM RM OE1 OE2 CKR1 CKR2 WE CKW TE
VSS1 VSS2 VSS3 VSS4
RB601 1.0k
RB603 1.0k
IC600
CXK48324R-1
005-Q3 FCCK
005-Q3 FFWEN
C604 0.1uF
C605 0.1uF
C606 0.1uF
C607 0.1uF
RB604 1.0k
RB605 1.0k
IC601
CXK48324R-1
005-Q5 VCL1R
005-Q5 VCL1W
005-Q3 VCLOR1Y
1
2
3
4
5
A B C D E F G H

4-68


Note
NM:No Mount
IC500 (1/2)
CXD8807BR
BDEC 1/2
IC501
SN74LVC821APW-E05
IC500 (2/2)
CXD8807BR
BDEC 2/2
IC503
UPD4340008ALLE-A20
IC504
UPD4340008ALLE-A20
IC505
UPD4340008ALLE-A20
E500
+3V-4
VTR_DATA7
VTR_DATA6
VTR_DATA5
VTR_DATA4
VTR_DATA3
VTR_DATA2
VTR_DATA1
VTR_DATA0
VTR_PARITY
VE
VS
VIDEO_DATA9
VIDEO_DATA8
VIDEO_DATA7
VIDEO_DATA6
VIDEO_DATA5
VIDEO_DATA4
VIDEO_DATA3
VIDEO_DATA2
VIDEO_DATA1
VIDEO_DATA0
27MCK_BDEC
L-PB_DATA_EN
VPR_VD
13.5MCK_BDEC
PB_SYS_RST
BD_SW_CS
BD_SW_OE
BD_SW_WE
BD_SWA
BD_SWD
FFCO
FFYO
FCCK
VCLOR2
VCLOR1C
VCLOR1Y
VCLOW
FFWEN
FFCIO
FFYIO
VCL1R
VCL1W
FFCI1
FFYI1
FFLO
VCL2R1
VCL2R2
VCL2W
FFLIO
FFLI1

DVP-14 (5/7)

LOT NO. 810-

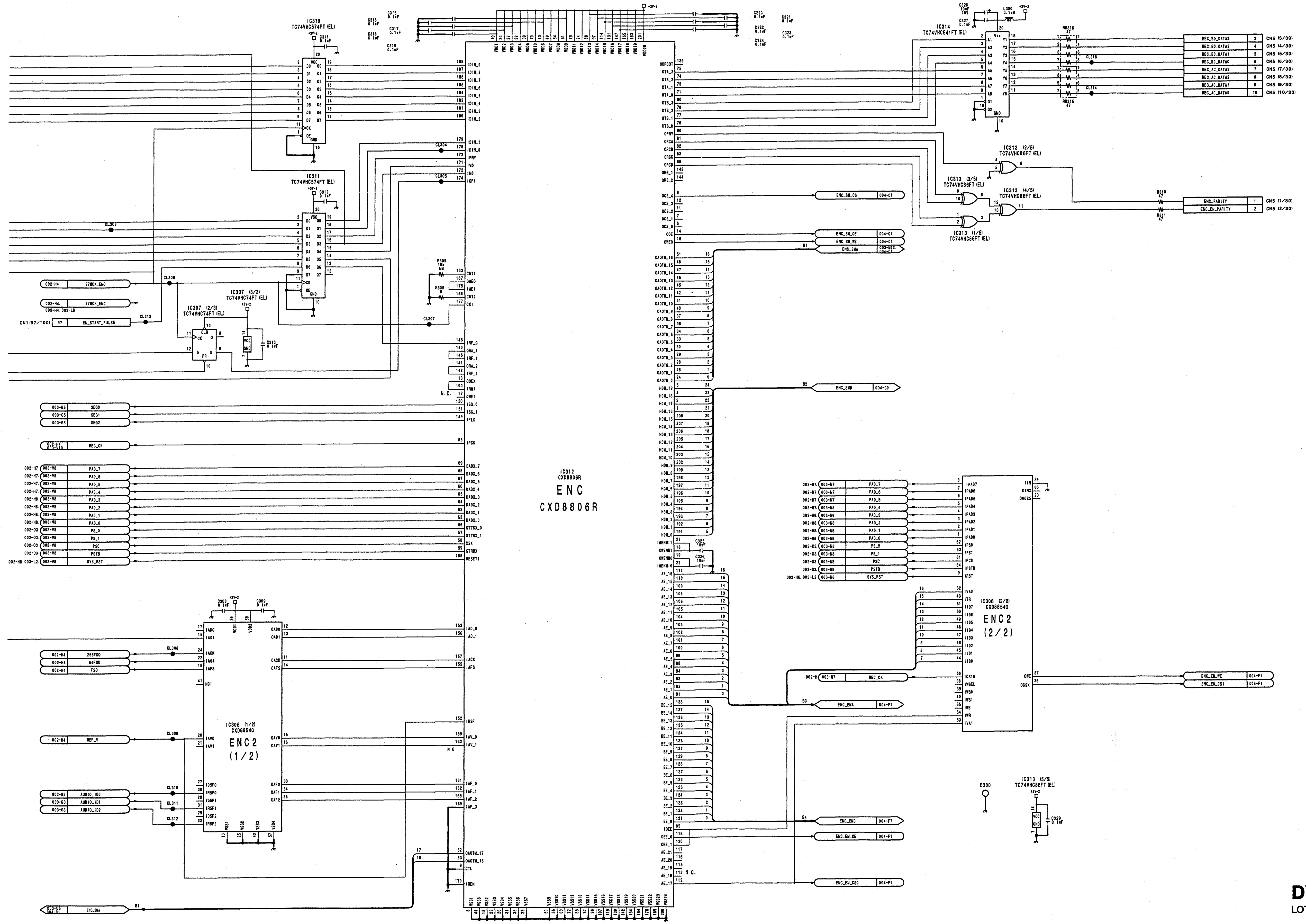

003-U5 ENC_SM_CS
003-U5 ENC_SM_OE
003-U5 ENC_SM_WE
003-M12, 003-U5 ENC_SMA
B1
+5V-2
R403 0 NM
+3V-2
R400 0
C400 0.1uF
C401 0.1uF
IC400
UPD434008ALLE-A20
0
VCC1
VCC2
CS
OE
WE
GND1
GND2
R404 0 NM
R401 0
C402 0.1uF
C403 0.1uF
IC401
UPD434008ALLE-A20
0
R405 0 NM
R402 0
C404 0.1uF
C405 0.1uF
IC402
UPD434008ALLE-A20
0
RB400 4.7k
003-U7 ENC_SMD
B2
003-Y10 ENC_EM_CS1
003-U12 ENC_EM_CS0
003-U11 ENC_EM_OE
003-Y10 ENC_EM_WE
003-U10 ENC_EMA
B3
IC403
IDT71V124S15Y-TL
Z
C406 0.1uF
C407 0.1uF
IC404
IDT71V124S15Y-TL
Z
C408 0.1uF
C409 0.1uF
IC405
IDT71V124S15Y-TL
Z
C410 0.1uF
C411 0.1uF
IC406
IDT71V124S15Y-TL
Z
C412 0.1uF
C413 0.1uF
003-U11 ENC_EMD
B4

Note
NM:No Mount

DVP-14 (4/7)

LOT NO. 810-

DVP-14 (3/7)


IC310
TC74VHC574FT (EL)
IC311
TC74VHC574FT (EL)
IC307 (3/3)
TC74VHC74FT (EL)
IC307 (2/3)
TC74VHC74FT (EL)
IC312
CXD8806R
ENC
CXD8806R
IC314
TC74VHC541FT (EL)
IC313 (2/5)
TC74VHC86FT (EL)
IC313 (3/5)
TC74VHC86FT (EL)
IC313 (4/5)
TC74VHC86FT (EL)
IC313 (1/5)
TC74VHC86FT (EL)
IC306 (1/2)
CXD8854Q
ENC2
(1/2)
IC306 (2/2)
CXD8854Q
ENC2
(2/2)
IC313 (5/5)
TC74VHC86FT (EL)
E300
REC_SD_DATA3
REC_SD_DATA2
REC_SD_DATA1
REC_SD_DATA0
REC_AC_DATA3
REC_AC_DATA2
REC_AC_DATA1
REC_AC_DATA0
CN5 (3/30)
CN5 (4/30)
CN5 (5/30)
CN5 (6/30)
CN5 (7/30)
CN5 (8/30)
CN5 (9/30)
CN5 (10/30)
ENC_PARITY
ENC_EN_PARITY
CN5 (1/30)
CN5 (2/30)
ENC_SM_CS
ENC_SM_OE
ENC_SM_WE
ENC_SMA
ENC_SMD
ENC_EMA
ENC_EMD
ENC_EM_OE
ENC_EM_CS0
ENC_EM_WE
ENC_EM_CS1
27MCK_ENC
EN_START_PULSE
CN1 (97/100)
SEG0
SEG1
SEG2
REC_CK
PAD_7
PAD_6
PAD_5
PAD_4
PAD_3
PAD_2
PAD_1
PAD_0
PS_0
PS_1
PSC
PSTB
SYS_RST
256FS0
64FS0
FS0
REF_V
AUDIO_ID0
AUDIO_ID1
AUDIO_ID2
N.C.

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

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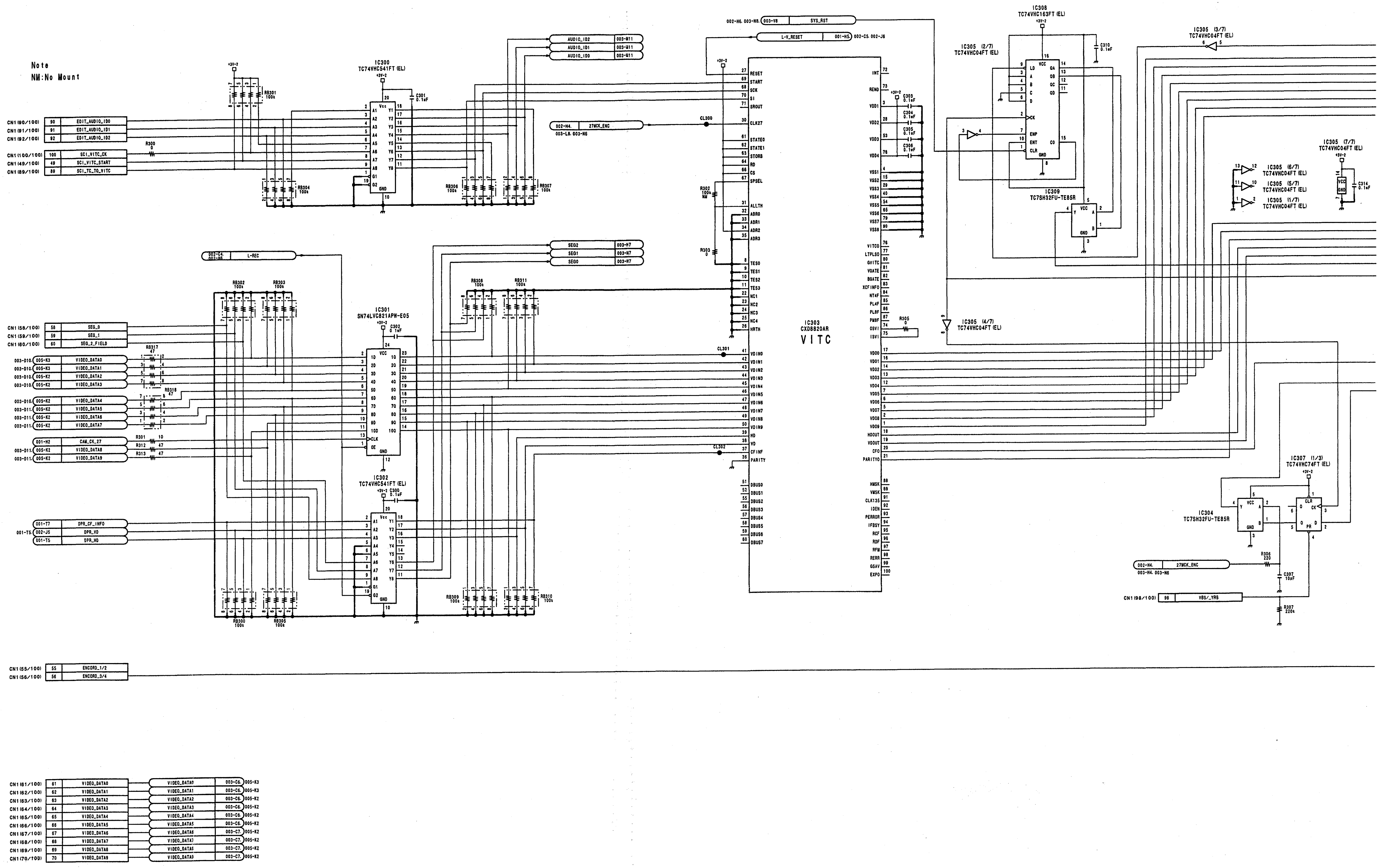
I | J | K | L | M | N | O | P

1 2 3 4 5

DVP-14 (3/7)

DVP-14 (3/7)


Note
NM:No Mount
IC300 TC74VHC541FT (EL)
IC301 SN74LVC821APW-E05
IC302 TC74VHC541FT (EL)
IC303 CXD8820AR VITC
IC308 TC74VHC163FT (EL)
IC305 (2/7) TC74VHC04FT (EL)
IC305 (3/7) TC74VHC04FT (EL)
IC305 (4/7) TC74VHC04FT (EL)
IC305 (7/7) TC74VHC04FT (EL)
IC305 (6/7) TC74VHC04FT (EL)
IC305 (5/7) TC74VHC04FT (EL)
IC305 (1/7) TC74VHC04FT (EL)
IC309 TC7SH32FU-TE85R
IC304 TC7SH32FU-TE85R
IC307 (1/3) TC74VHC74FT (EL)
SYS_RST
L-V_RESET
AUDIO_ID2
AUDIO_ID1
AUDIO_ID0
27MCK_ENC
L-REC
SEG2
SEG1
SEG0
EDIT_AUDIO_ID0
EDIT_AUDIO_ID1
EDIT_AUDIO_ID2
SCI_VITC_CK
SCI_VITC_START
SCI_TC_TO_VITC
SEG_0
SEG_1
SEG_2_FIELD
CAM_CK_27
DPR_CF_INFO
DPR_VD
DPR_HD
VBS/_YRS
ENCORD_1/2
ENCORD_3/4
VIDEO_DATA0
VIDEO_DATA1
VIDEO_DATA2
VIDEO_DATA3
VIDEO_DATA4
VIDEO_DATA5
VIDEO_DATA6
VIDEO_DATA7
VIDEO_DATA8
VIDEO_DATA9

1
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3
4
5

4-64

A | B | C | D | E | F | G | H

1

2

3

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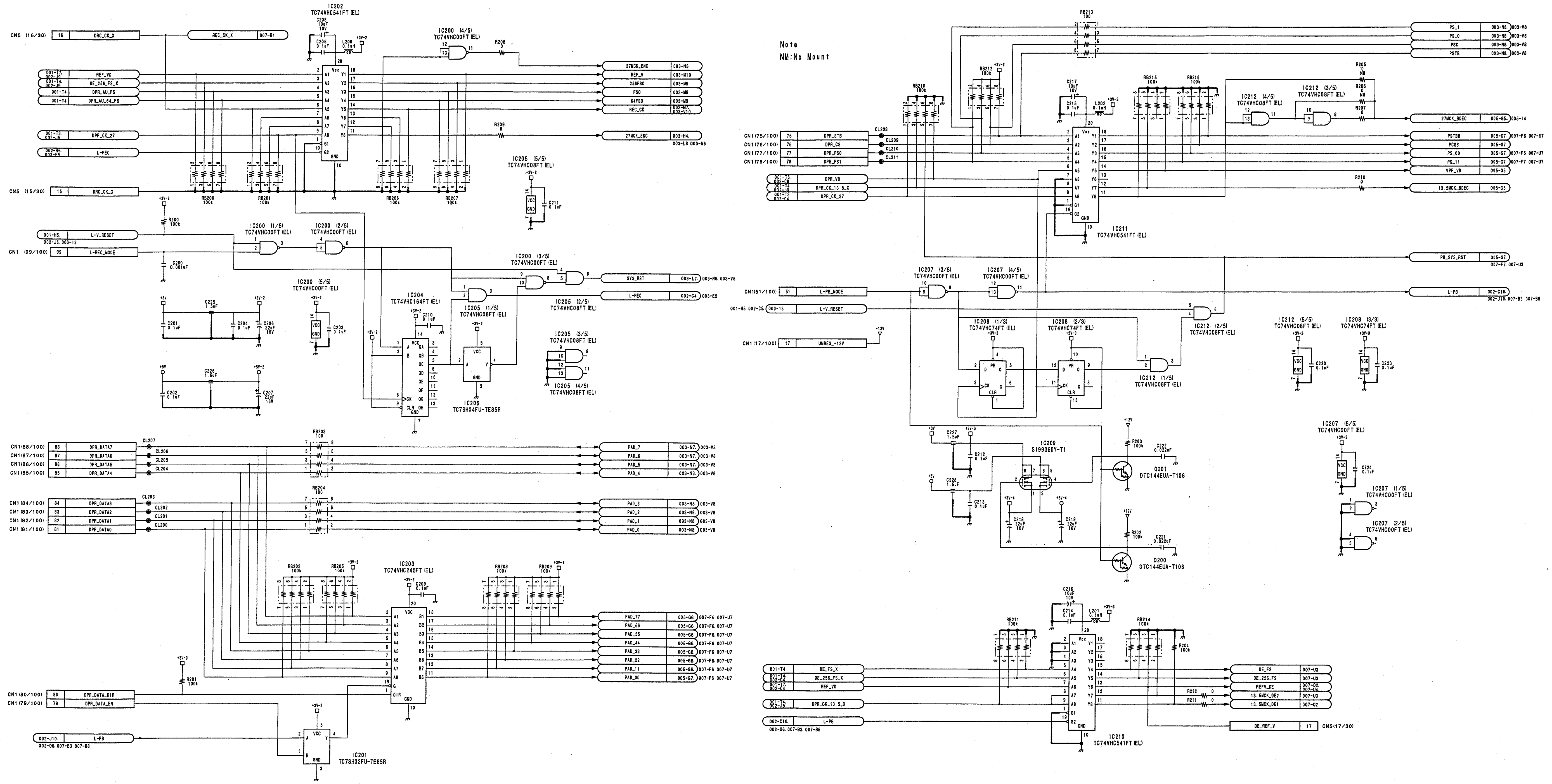
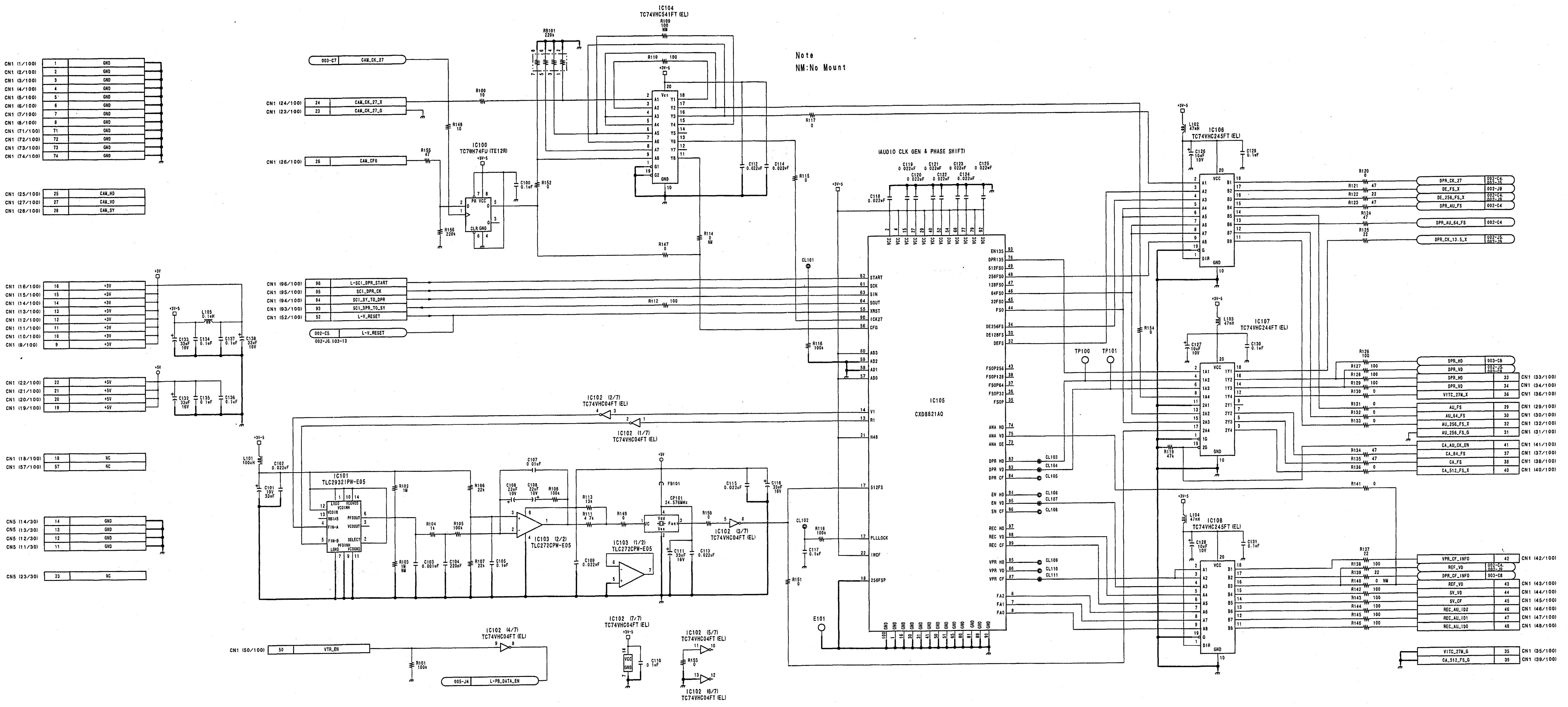
5


Note
NM:No Mount
IC202 TC74VHC541FT (EL)
IC200 (4/5) TC74VHC00FT (EL)
IC200 (1/5) TC74VHC00FT (EL)
IC200 (2/5) TC74VHC00FT (EL)
IC200 (3/5) TC74VHC00FT (EL)
IC200 (5/5) TC74VHC00FT (EL)
IC204 TC74VHC164FT (EL)
IC205 (1/5) TC74VHC08FT (EL)
IC205 (2/5) TC74VHC08FT (EL)
IC205 (3/5) TC74VHC08FT (EL)
IC205 (4/5) TC74VHC08FT (EL)
IC205 (5/5) TC74VHC08FT (EL)
IC206 TC7SH04FU-TE85R
IC203 TC74VHC245FT (EL)
IC201 TC7SH32FU-TE85R
IC211 TC74VHC541FT (EL)
IC212 (1/5) TC74VHC08FT (EL)
IC212 (2/5) TC74VHC08FT (EL)
IC212 (3/5) TC74VHC08FT (EL)
IC212 (4/5) TC74VHC08FT (EL)
IC212 (5/5) TC74VHC08FT (EL)
IC207 (1/5) TC74VHC00FT (EL)
IC207 (2/5) TC74VHC00FT (EL)
IC207 (3/5) TC74VHC00FT (EL)
IC207 (4/5) TC74VHC00FT (EL)
IC207 (5/5) TC74VHC00FT (EL)
IC208 (1/3) TC74VHC74FT (EL)
IC208 (2/3) TC74VHC74FT (EL)
IC208 (3/3) TC74VHC74FT (EL)
IC209 SI9936DY-T1
Q201 DTC144EUA-T106
Q200 DTC144EUA-T106
IC210 TC74VHC541FT (EL)

DVP-14 (2/7)

LOT NO. 810-

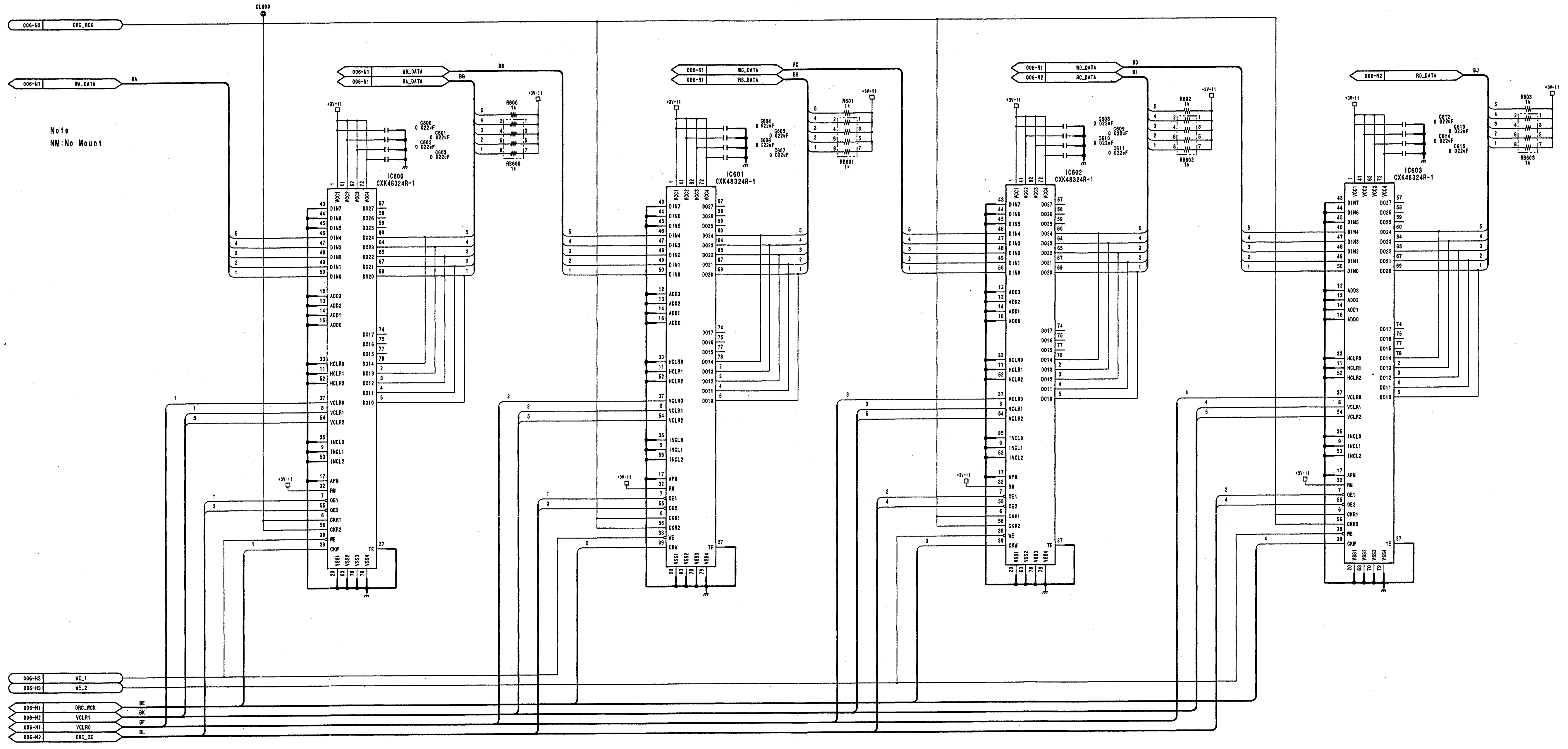
DVP-14 (1/7)


1
2
3
4
5
IC104
TC74VHC541FT (EL)
IC100
TC7WH74FU (TE12R)
IC101
TLC2932IPW-E05
IC103 (2/2)
TLC272CPW-E05
IC103 (1/2)
TLC272CPW-E05
IC102 (1/7)
TC74VHC04FT (EL)
IC102 (2/7)
TC74VHC04FT (EL)
IC102 (3/7)
TC74VHC04FT (EL)
IC102 (4/7)
TC74VHC04FT (EL)
IC102 (5/7)
TC74VHC04FT (EL)
IC102 (6/7)
TC74VHC04FT (EL)
IC102 (7/7)
TC74VHC04FT (EL)
IC105
CXD8821AQ
(AUDIO CLK GEN & PHASE SHIFT)
IC106
TC74VHC245FT (EL)
IC107
TC74VHC244FT (EL)
IC108
TC74VHC245FT (EL)
Note
NM:No Mount
CP101
24.576MHz
TP100
TP101
E101
CAM_CK_27
CAM_CK_27_X
CAM_CK_27_G
CAM_CFG
CAM_HD
CAM_VD
CAM_SY
L-SCI_DPR_START
SCI_DPR_CK
SCI_SY_TO_DPR
SCI_DPR_TO_SY
L-V_RESET
VTR_EN
L-PB_DATA_EN
DPR_CK_27
DE_FS_X
DE_256_FS_X
DPR_AU_FS
DPR_AU_64_FS
DPR_CK_13.5_X
DPR_HD
DPR_VD
DPR_HO
DPR_VD
VITC_27M_X
AU_FS
AU_64_FS
AU_256_FS_X
AU_256_FS_G
CA_AU_CK_EN
CA_64_FS
CA_FS
CA_512_FS_X
VPR_CF_INFO
REF_VD
DPR_CF_INFO
REF_HD
SV_VD
SV_CF
REC_AU_ID2
REC_AU_ID1
REC_AU_ID0
VITC_27M_G
CA_512_FS_G

DVP-14 (1/7)

LOT NO. 810-

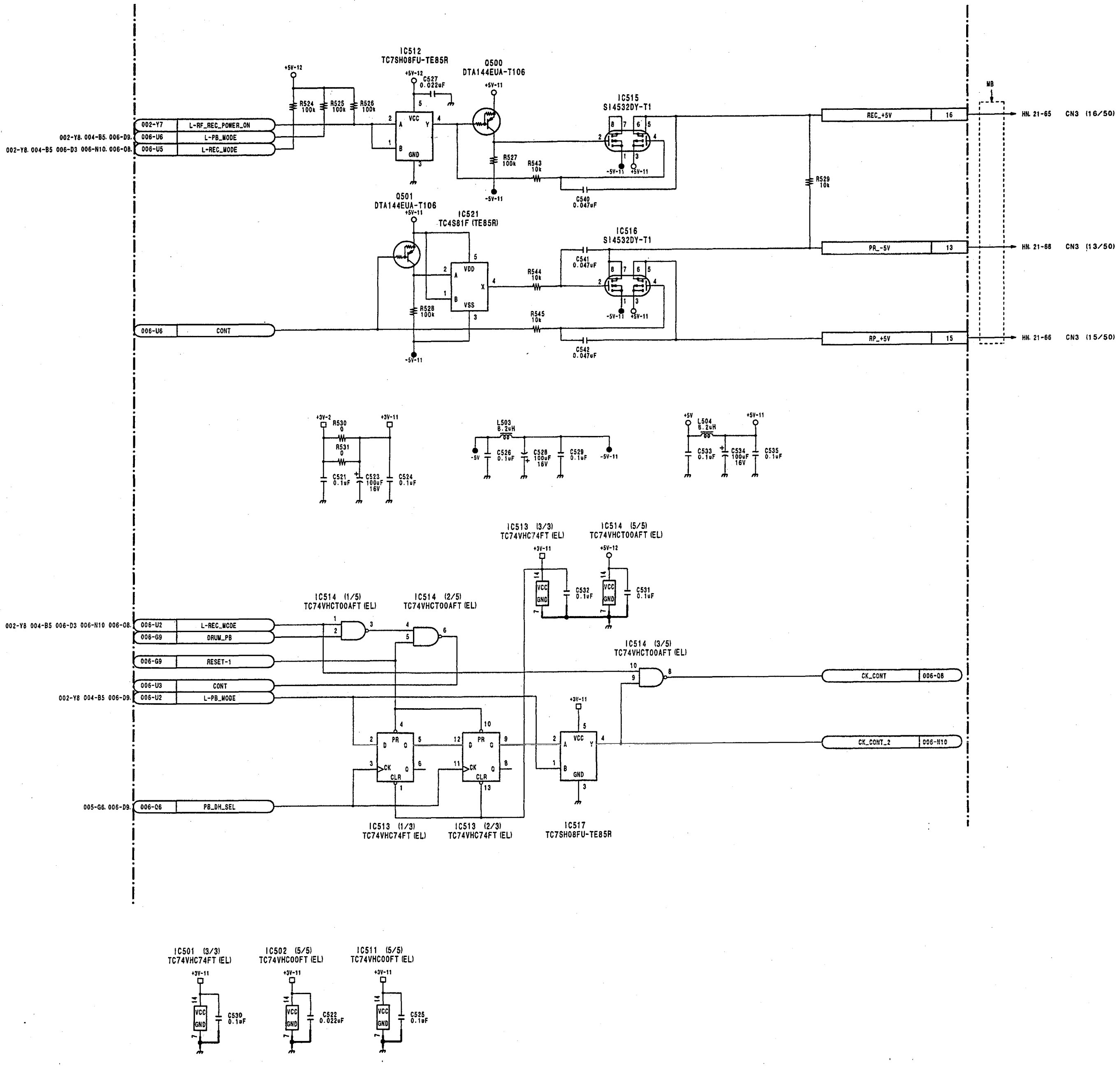
4-62


1
2
3
4
5
CL600
006-N2 DRC_RCK
006-N1 WA_DATA
006-N1 WB_DATA
006-N1 RA_DATA
006-N1 WC_DATA
006-N1 RB_DATA
006-N1 WD_DATA
006-N2 RC_DATA
006-N2 RD_DATA
BA
BB
BG
BC
BH
BD
BI
BJ
+3V-11
R600 1k
RB600 1k
R601 1k
RB601 1k
R602 1k
RB602 1k
R603 1k
RB603 1k
C600 0.022uF
C601 0.022uF
C602 0.022uF
C603 0.022uF
C604 0.022uF
C605 0.022uF
C606 0.022uF
C607 0.022uF
C608 0.022uF
C609 0.022uF
C610 0.022uF
C611 0.022uF
C612 0.022uF
C613 0.022uF
C614 0.022uF
C615 0.022uF
IC600 CXK48324R-1
IC601 CXK48324R-1
IC602 CXK48324R-1
IC603 CXK48324R-1
VCC1
VCC2
VCC3
VCC4
DIN7
DIN6
DIN5
DIN4
DIN3
DIN2
DIN1
DIN0
ADD3
ADD2
ADD1
ADD0
HCLR0
HCLR1
HCLR2
VCLR0
VCLR1
VCLR2
INCL0
INCL1
INCL2
APM
RM
OE1
OE2
CKR1
CKR2
WE
CKW
DO27
DO26
DO25
DO24
DO23
DO22
DO21
DO20
DO17
DO16
DO15
DO14
DO13
DO12
DO11
DO10
TE
VSS1
VSS2
VSS3
VSS4
006-H3 WE_1
006-H3 WE_2
006-N1 DRC_WCK
006-N2 VCLR1
006-N1 VCLR0
006-N2 DRC_OE
BE
BK
BF
BL

Note
NM:No Mount

DVP-17 (8/8)
LOT NO. 810-

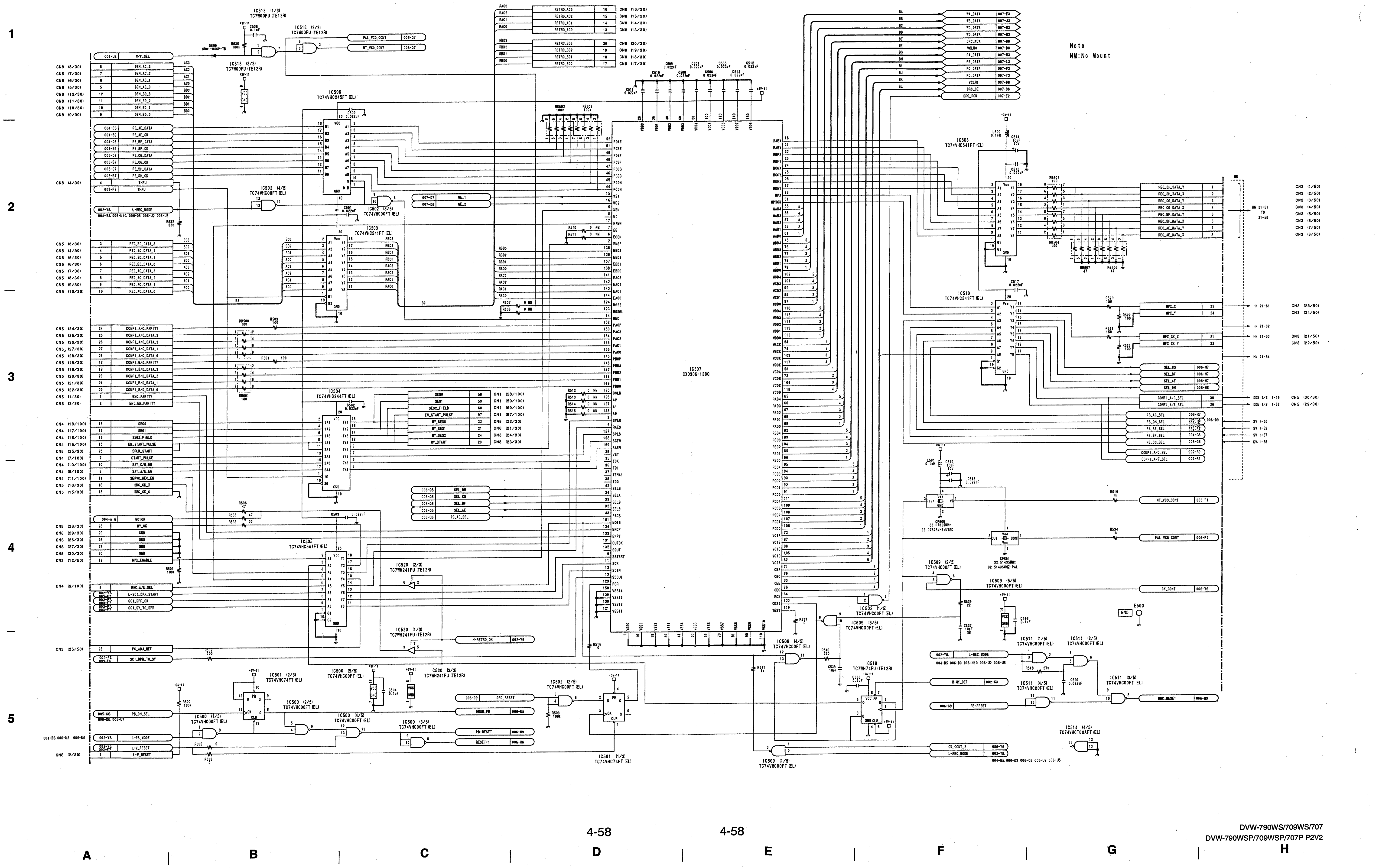
A
B
C
D
E
F
G
H


IC512
TC7SH08FU-TE85R
Q500
DTA144EUA-T106
IC515
SI4532DY-T1
Q501
DTA144EUA-T106
IC521
TC4S81F (TE85R)
IC516
SI4532DY-T1
+5V-12
+5V-11
-5V-11
R524 100k
R525 100k
R526 100k
C527 0.022uF
R527 100k
R543 10k
C540 0.047uF
R528 100k
R544 10k
R545 10k
C541 0.047uF
C542 0.047uF
R529 10k
VCC
GND
VDD
VSS
002-Y7 L-RF_REC_POWER_ON
002-Y8. 004-B5. 006-D9. 006-U6 L-PB_MODE
002-Y8. 004-B5 006-D3 006-N10. 006-08. 006-U5 L-REC_MODE
006-U6 CONT
REC_+5V 16
PR_-5V 13
RP_+5V 15
MB
HN. 21-65 CN3 (16/50)
HN. 21-68 CN3 (13/50)
HN. 21-66 CN3 (15/50)
+3V-2
+3V-11
R530 0
R531 0
C521 0.1uF
C523 100uF 16V
C524 0.1uF
L503 8.2uH
-5V
C526 0.1uF
C528 100uF 16V
C529 0.1uF
+5V
L504 8.2uH
C533 0.1uF
C534 100uF 16V
C535 0.1uF
IC513 (3/3)
TC74VHC74FT (EL)
IC514 (5/5)
TC74VHCT00AFT (EL)
C532 0.1uF
C531 0.1uF
IC514 (1/5)
TC74VHCT00AFT (EL)
IC514 (2/5)
TC74VHCT00AFT (EL)
IC514 (3/5)
TC74VHCT00AFT (EL)
002-Y8 004-B5 006-D3 006-N10 006-08. 006-U2 L-REC_MODE
006-G9 DRUM_PB
006-G9 RESET-1
006-U3 CONT
002-Y8 004-B5 006-D9. 006-U2 L-PB_MODE
005-G6. 006-D9. 006-O6 PB_DH_SEL
CK_CONT 006-Q8
CK_CONT_2 006-N10
PR
CLR
CK
IC513 (1/3)
TC74VHC74FT (EL)
IC513 (2/3)
TC74VHC74FT (EL)
IC517
TC7SH08FU-TE85R
IC501 (3/3)
TC74VHC74FT (EL)
IC502 (5/5)
TC74VHC00FT (EL)
IC511 (5/5)
TC74VHC00FT (EL)
C530 0.1uF
C522 0.022uF
C525 0.1uF

DVP-17 (7/8)

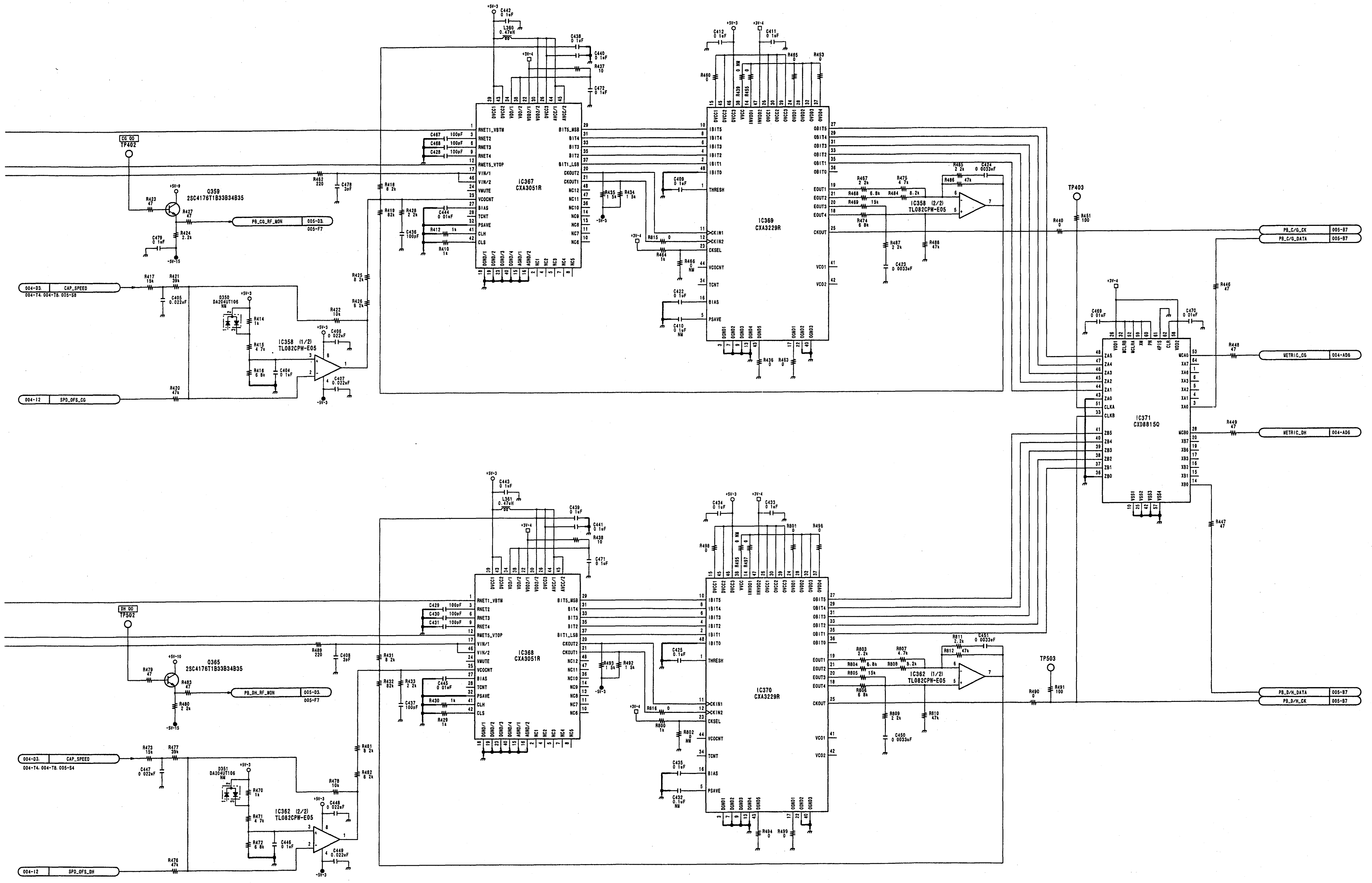
LOT NO. 810-

DVP-17 (7/8)


Note
NM:No Mount
1
2
3
4
5
A
B
C
D
E
F
G
H
IC518 (1/3) TC7W00FU (TE12R)
IC518 (2/3) TC7W00FU (TE12R)
IC518 (3/3) TC7W00FU (TE12R)
D500 SB01-03CP-TB
PAL_VCO_CONT
NT_VCO_CONT
N/P_SEL
IC506 TC74VHC245FT (EL)
IC502 (4/5) TC74VHC00FT (EL)
IC502 (3/5) TC74VHC00FT (EL)
IC503 TC74VHC541FT (EL)
IC504 TC74VHC244FT (EL)
IC505 TC74VHC541FT (EL)
IC507 CXD3061-130Q
IC508 TC74VHC541FT (EL)
IC510 TC74VHC541FT (EL)
IC509 (2/5) TC74VHC00FT (EL)
IC509 (5/5) TC74VHC00FT (EL)
IC509 (3/5) TC74VHC00FT (EL)
IC509 (4/5) TC74VHC00FT (EL)
IC509 (1/5) TC74VHC00FT (EL)
IC502 (1/5) TC74VHC00FT (EL)
IC502 (2/5) TC74VHC00FT (EL)
IC519 TC7WH74FU (TE12R)
IC520 (2/3) TC7WH241FU (TE12R)
IC520 (1/3) TC7WH241FU (TE12R)
IC520 (3/3) TC7WH241FU (TE12R)
IC500 (1/5) TC74VHC00FT (EL)
IC500 (2/5) TC74VHC00FT (EL)
IC500 (3/5) TC74VHC00FT (EL)
IC500 (4/5) TC74VHC00FT (EL)
IC500 (5/5) TC74VHC00FT (EL)
IC501 (1/3) TC74VHC74FT (EL)
IC501 (2/3) TC74VHC74FT (EL)
IC511 (1/5) TC74VHC00FT (EL)
IC511 (2/5) TC74VHC00FT (EL)
IC511 (3/5) TC74VHC00FT (EL)
IC511 (4/5) TC74VHC00FT (EL)
IC514 (4/5) TC74VHCT00AFT (EL)
CP500 33.07925MHz 33.07925MHZ:NTSC
CP501 32.51435MHz 32.51435MHZ:PAL
E500
GND
WE_1
WE_2
H-RETRO_ON
H-WY_DET
PB-RESET
RESET-1
DRC_RESET
DRUM_PB
CK_CONT
CK_CONT_2
L-REC_MODE
L-PB_MODE
L-V_RESET
PB_DH_SEL
SEL_DH
SEL_CG
SEL_BF
SEL_AE
PB_AC_SEL
MPX_X
MPX_Y
MPX_CK_X
MPX_CK_Y
CONFI_A/C_SEL
CONFI_A/E_SEL
REC_DH_DATA_Y
REC_DH_DATA_X
REC_CG_DATA_Y
REC_CG_DATA_X
REC_BF_DATA_Y
REC_BF_DATA_X
REC_AE_DATA_Y
REC_AE_DATA_X
WA_DATA
WB_DATA
WC_DATA
WD_DATA
DRC_WCK
VCLRO
RA_DATA
RB_DATA
RC_DATA
RD_DATA
DRC_OE
VCLR1
DRC_RCK
RETRO_AC3
RETRO_AC2
RETRO_AC1
RETRO_AC0
RETRO_BD3
RETRO_BD2
RETRO_BD1
RETRO_BD0
DEN_AC_3
DEN_AC_2
DEN_AC_1
DEN_AC_0
DEN_BD_3
DEN_BD_2
DEN_BD_1
DEN_BD_0
PB_AE_DATA
PB_AE_CK
PB_BF_DATA
PB_BF_CK
PB_CG_DATA
PB_CG_CK
PB_DH_DATA
PB_DH_CK
THRU
L-REC_MODE
REC_BD_DATA_3
REC_BD_DATA_2
REC_BD_DATA_1
REC_BD_DATA_0
REC_AC_DATA_3
REC_AC_DATA_2
REC_AC_DATA_1
REC_AC_DATA_0
CONFI_A/C_PARITY
CONFI_A/C_DATA_3
CONFI_A/C_DATA_2
CONFI_A/C_DATA_1
CONFI_A/C_DATA_0
CONFI_B/D_PARITY
CONFI_B/D_DATA_3
CONFI_B/D_DATA_2
CONFI_B/D_DATA_1
CONFI_B/D_DATA_0
ENC_PARITY
ENC_EN_PARITY
SEG0
SEG1
SEG2_FIELD
EN_START_PULSE
DRUM_START
START_PULSE
SAT_C/G_EN
SAT_A/E_EN
SERVO_REC_EN
DRC_CK_X
DRC_CK_G
MY_SEG0
MY_SEG1
MY_SEG2
MY_START
MD16M
MY_CK
MPX_ENABLE
REC_A/E_SEL
L-SCI_DPR_START
SCI_DPR_CK
SCI_SY_TO_DPR
SCI_DPR_TO_SY
PG_ADJ_REF
HN 21-51 TO 21-58
HN 21-61
HN 21-62
HN 21-63
HN 21-64
DOE (2/2) 1-46
DOE (1/2) 1-32
SV 1-56
SV 1-59
SV 1-57
SV 1-58

4-58

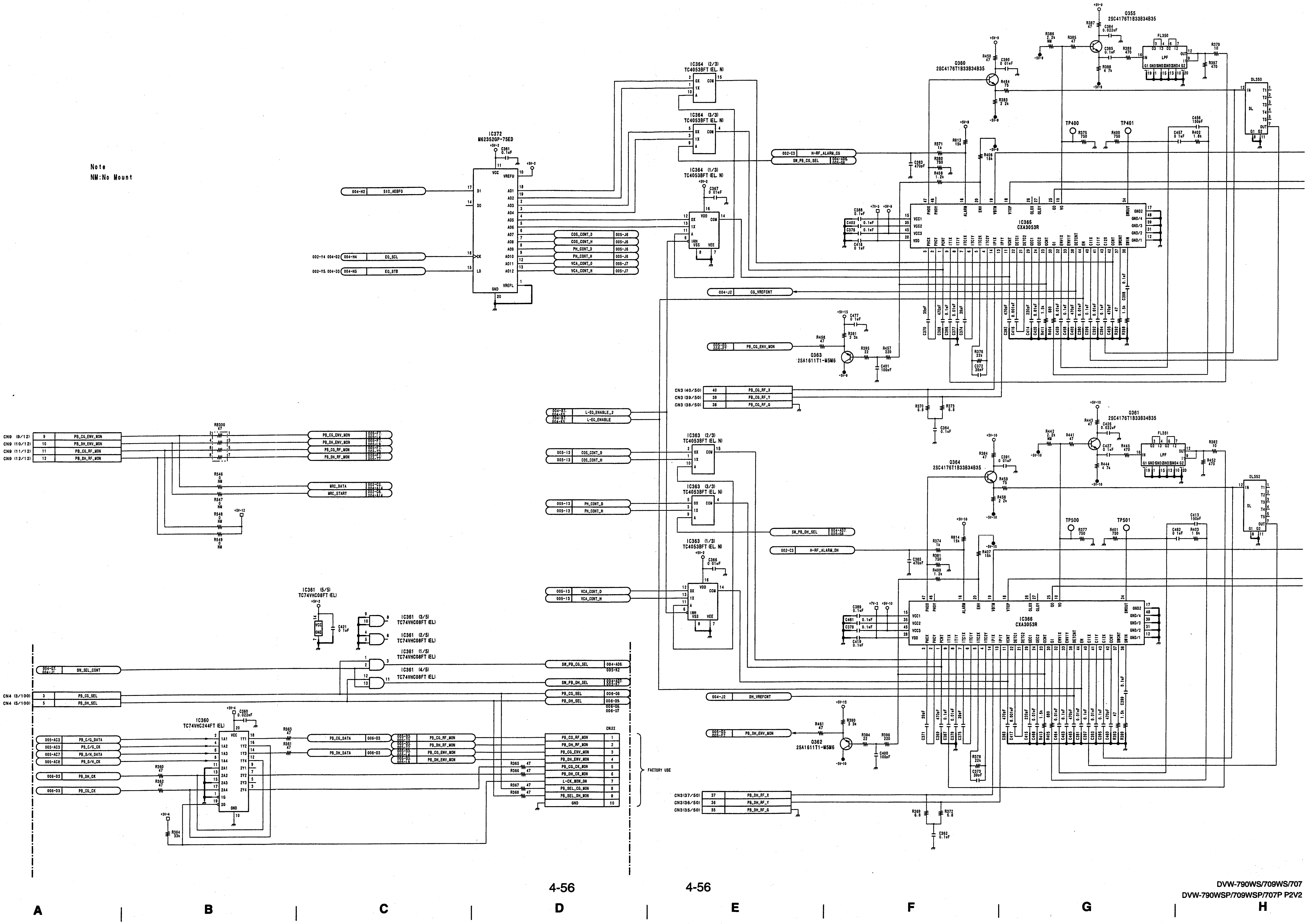
DVP-17 (6/8)


IC367
CXA3051R
IC368
CXA3051R
IC369
CXA3229R
IC370
CXA3229R
IC371
CXD8815Q
IC358 (1/2)
TL082CPW-E05
IC358 (2/2)
TL082CPW-E05
IC362 (1/2)
TL082CPW-E05
IC362 (2/2)
TL082CPW-E05
Q359
2SC4176T1B33B34B35
Q365
2SC4176T1B33B34B35
D350
DA204UT106
D351
DA204UT106
CG OO
TP402
DH OO
TP502
TP403
TP503
004-D3. CAP_SPEED
004-I2 SPD_OFS_CG
004-I2 SPD_OFS_DH
PB_CG_RF_MON 005-D3.
PB_DH_RF_MON 005-D3.
PB_C/G_CK 005-B7
PB_C/G_DATA 005-B7
METRIC_CG 004-A06
METRIC_DH 004-A06
PB_D/H_DATA 005-B7
PB_D/H_CK 005-B7

DVP-17 (6/8)

LOT NO. 810-

Note
NM:No Mount


1
2
3
4
5
A
B
C
D
E
F
G
H
IC372
M62352GP-75ED
IC364 (2/3)
TC4053BFT (EL N)
IC364 (3/3)
TC4053BFT (EL N)
IC364 (1/3)
TC4053BFT (EL N)
IC363 (2/3)
TC4053BFT (EL N)
IC363 (3/3)
TC4053BFT (EL N)
IC363 (1/3)
TC4053BFT (EL N)
IC365
CXA3053R
IC366
CXA3053R
Q355
2SC4176T1B3B34B35
Q360
2SC4176T1B3B34B35
Q361
2SC4176T1B3B34B35
Q364
2SC4176T1B3B34B35
Q363
2SA1611T1-M5M6
Q362
2SA1611T1-M5M6
FL350
FL351
DL350
DL352
TP400
TP401
TP500
TP501
IC361 (5/5)
TC74VHC08FT (EL)
IC361 (3/5)
TC74VHC08FT (EL)
IC361 (2/5)
TC74VHC08FT (EL)
IC361 (1/5)
TC74VHC08FT (EL)
IC361 (4/5)
TC74VHC08FT (EL)
IC360
TC74VHC244FT (EL)
CN22
FACTORY USE
SIC_AEBFO
EQ_SCL
EQ_STB
COS_CONT_D
COS_CONT_H
PH_CONT_D
PH_CONT_H
VCA_CONT_D
VCA_CONT_H
H-RF_ALARM_CG
SW_PB_CG_SEL
CG_VREFCNT
PB_CG_ENV_MON
PB_CG_RF_X
PB_CG_RF_Y
PB_CG_RF_G
L-EQ_ENABLE_2
L-EQ_ENABLE
SW_PB_DH_SEL
H-RF_ALARM_DH
DH_VREFCNT
PB_DH_ENV_MON
PB_DH_RF_X
PB_DH_RF_Y
PB_DH_RF_G
PB_CG_ENV_MON
PB_DH_ENV_MON
PB_CG_RF_MON
PB_DH_RF_MON
MRC_DATA
MRC_START
SW_SEL_CONT
PB_CG_SEL
PB_DH_SEL
PB_C/G_DATA
PB_C/G_CK
PB_D/H_DATA
PB_D/H_CK
PB_DH_CK
PB_CG_CK
PB_CG_DATA
PB_DH_DATA
PB_CG_CK_MON
PB_DH_CK_MON
L-CK_MON_ON
PB_SEL_CG_MON
PB_SEL_DH_MON
GND
CN9 (9/12)
CN9 (10/12)
CN9 (11/12)
CN9 (12/12)
CN4 (3/100)
CN4 (5/100)
CN3 (40/50)
CN3 (39/50)
CN3 (38/50)
CN3 (37/50)
CN3 (36/50)
CN3 (35/50)

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

DVP-17 (5/8)

1
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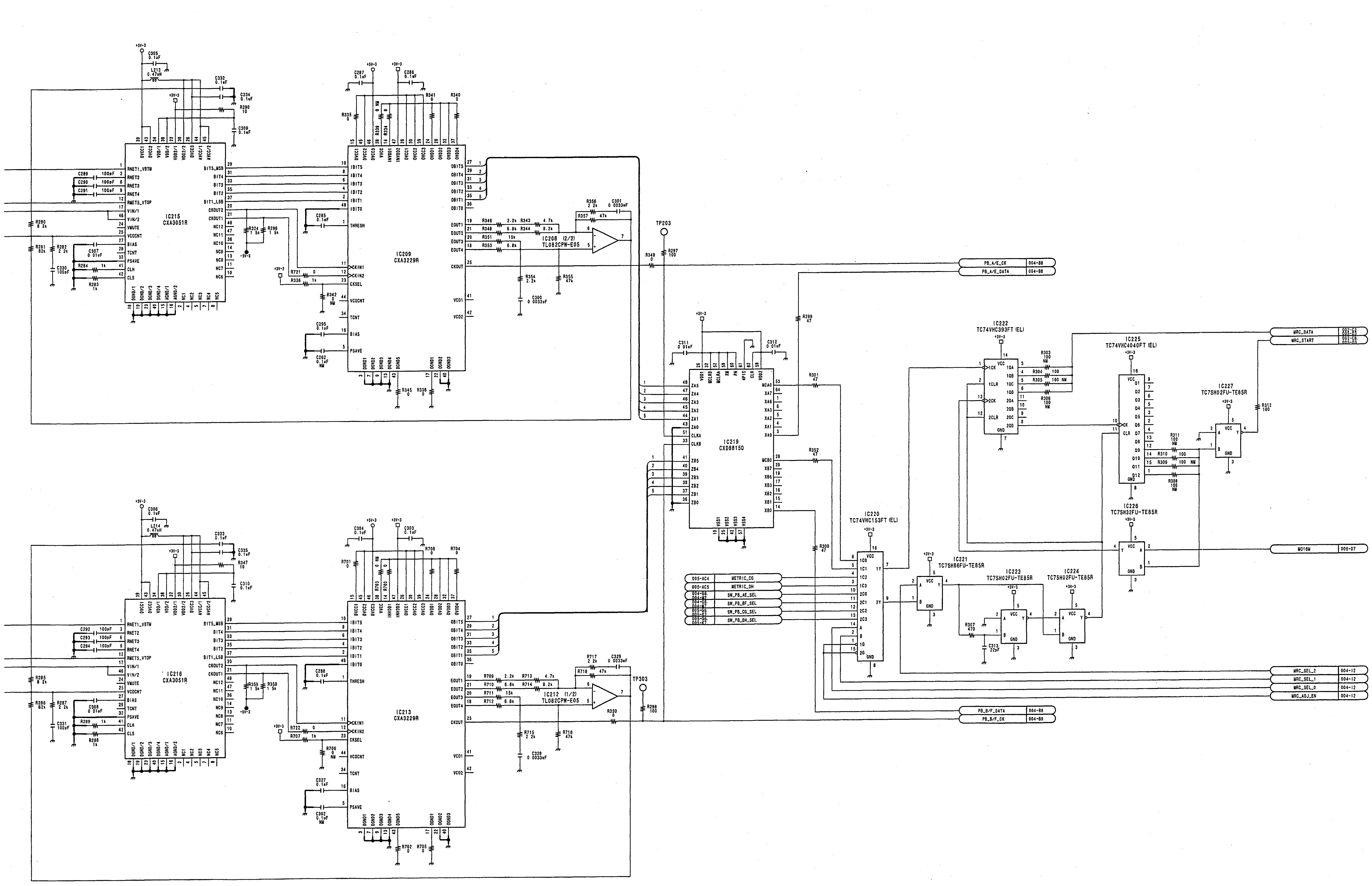
5


IC215
CXA3051R
IC209
CXA3229R
IC208 (2/2)
TL082CPW-E05
TP203
IC216
CXA3051R
IC213
CXA3229R
IC212 (1/2)
TL082CPW-E05
TP303
IC219
CXD8815Q
IC220
TC74VHC153FT (EL)
IC221
TC7SH86FU-TE85R
IC222
TC74VHC393FT (EL)
IC223
TC7SH02FU-TE85R
IC224
TC7SH02FU-TE85R
IC225
TC74VHC4040FT (EL)
IC226
TC7SH32FU-TE85R
IC227
TC7SH02FU-TE85R
PB_A/E_CK 004-B8
PB_A/E_DATA 004-B8
MRC_DATA 002-C2. 005-D3
MRC_START 002-C8. 005-D3
MO16M 006-D7
005-AC4 METRIC_CG
005-AC5 METRIC_DH
004-G8. 004-M2 SW_PB_AE_SEL
004-G8. 004-M7 SW_PB_BF_SEL
005-G6. 005-K2 SW_PB_CG_SEL
005-G6. 005-K7 SW_PB_DH_SEL
MRC_SEL_2 004-12
MRC_SEL_1 004-12
MRC_SEL_0 004-12
MRC_ADJ_EN 004-12
PB_B/F_DATA 004-B8
PB_B/F_CK 004-B9
+3V-3
+5V-3

DVP-17 (5/8)

LOT NO. 810-

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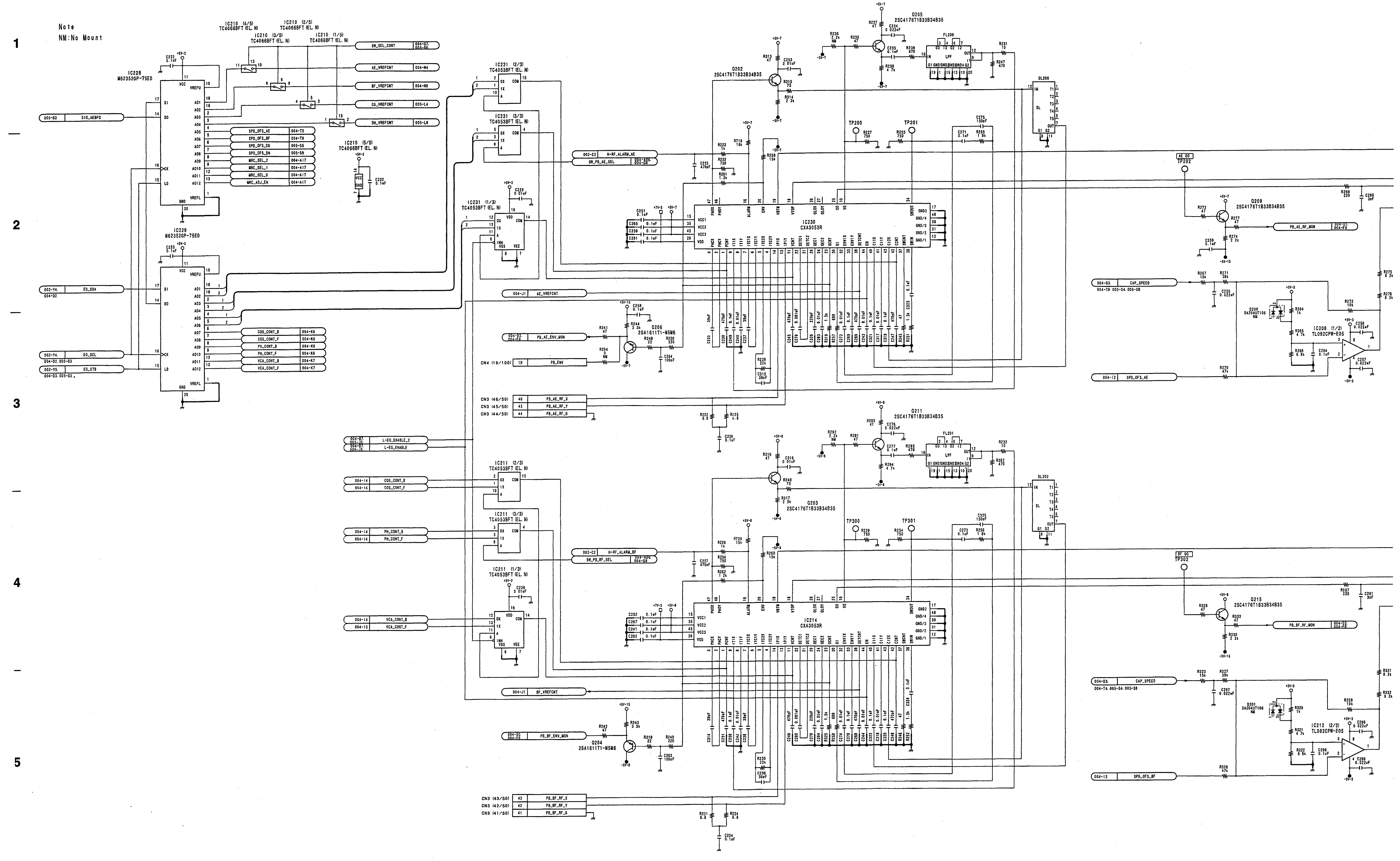
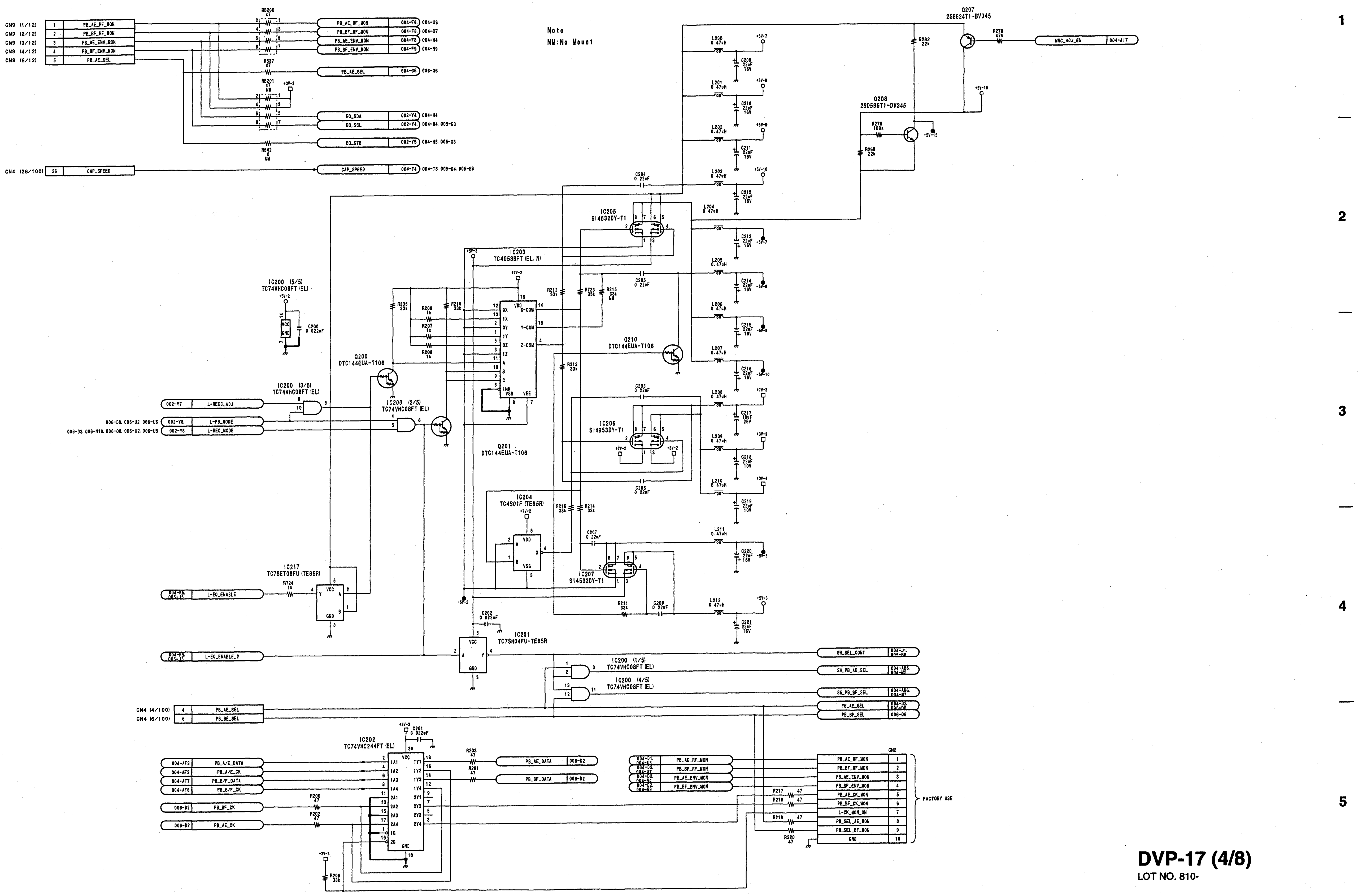
DVP-17 (5/8)


Note
NM:No Mount
IC228
M62352GP-75ED
IC229
M62352GP-75ED
IC210 (4/5) TC4066BFT (EL, N)
IC210 (3/5) TC4066BFT (EL, N)
IC210 (2/5) TC4066BFT (EL, N)
IC210 (1/5) TC4066BFT (EL, N)
IC210 (5/5) TC4066BFT (EL, N)
SW_SEL_CONT
AE_VREFCNT
BF_VREFCNT
CG_VREFCNT
DH_VREFCNT
SIC_AEBFQ
EQ_SDA
EQ_SCL
EQ_STB
SPD_OFS_AE
SPD_OFS_BF
SPD_OFS_CG
SPD_OFS_DH
MRC_SEL_2
MRC_SEL_1
MRC_SEL_0
MRC_ADJ_EN
COS_CONT_B
COS_CONT_F
PH_CONT_B
PH_CONT_F
VCA_CONT_B
VCA_CONT_F
IC231 (1/3) TC4053BFT (EL, N)
IC231 (2/3) TC4053BFT (EL, N)
IC231 (3/3) TC4053BFT (EL, N)
IC211 (1/3) TC4053BFT (EL, N)
IC211 (2/3) TC4053BFT (EL, N)
IC211 (3/3) TC4053BFT (EL, N)
H-RF_ALARM_AE
SW_PB_AE_SEL
H-RF_ALARM_BF
SW_PB_BF_SEL
AE_VREFCNT
BF_VREFCNT
PB_AE_ENV_MON
PB_BF_ENV_MON
CN4 (19/100) PB_ENV
CN3 (46/50) PB_AE_RF_X
CN3 (45/50) PB_AE_RF_Y
CN3 (44/50) PB_AE_RF_G
CN3 (43/50) PB_BF_RF_X
CN3 (42/50) PB_BF_RF_Y
CN3 (41/50) PB_BF_RF_G
L-EQ_ENABLE_2
L-EQ_ENABLE
IC230
CXA3053R
IC214
CXA3053R
Q202 2SC4176T1B33B34B35
Q205 2SC4176T1B33B34B35
Q203 2SC4176T1B33B34B35
Q211 2SC4176T1B33B34B35
Q209 2SC4176T1B33B34B35
Q215 2SC4176T1B33B34B35
Q206 2SA1611T1-M5M6
Q204 2SA1611T1-M5M6
FL200
FL201
LPF
DL200
DL202
TP200
TP201
TP300
TP301
AE GO TP202
BF GO TP302
PB_AE_RF_MON
PB_BF_RF_MON
CAP_SPEED
SPD_OFS_AE
SPD_OFS_BF
IC208 (1/2) TL082CPW-E05
IC212 (2/2) TL082CPW-E05
D200 DA204U T106 NM
D201 DA204U T106 NM
+5V-7
-5V-7
+5V-8
-5V-8
+5V-2
+5V-3
-5V-3
+5V-15
-5V-15
+7V-3
1
2
3
4
5
A
B
C
D
E
F
G
H

4-54


Note
NM:No Mount
CN9 (1/12)
CN9 (2/12)
CN9 (3/12)
CN9 (4/12)
CN9 (5/12)
PB_AE_RF_MON
PB_BF_RF_MON
PB_AE_ENV_MON
PB_BF_ENV_MON
PB_AE_SEL
RB200
RB201
R537
R542
EQ_SDA
EQ_SCL
EQ_STB
CN4 (26/100)
CAP_SPEED
Q207
2SB624T1-BV345
Q208
2SD596T1-DV345
MRC_ADJ_EN
IC205
SI4532DY-T1
IC203
TC4053BFT (EL,N)
IC200 (5/5)
TC74VHC08FT (EL)
Q200
DTC144EUA-T106
Q210
DTC144EUA-T106
IC200 (3/5)
TC74VHC08FT (EL)
IC200 (2/5)
TC74VHC08FT (EL)
L-RECC_ADJ
L-PB_MODE
L-REC_MODE
IC206
SI4953DY-T1
Q201
DTC144EUA-T106
IC204
TC4S01F (TE85R)
IC207
SI4532DY-T1
IC217
TC7SET08FU (TE85R)
L-EQ_ENABLE
IC201
TC7SH04FU-TE85R
L-EQ_ENABLE_2
IC200 (1/5)
TC74VHC08FT (EL)
IC200 (4/5)
TC74VHC08FT (EL)
SW_SEL_CONT
SW_PB_AE_SEL
SW_PB_BF_SEL
CN4 (4/100)
CN4 (6/100)
PB_AE_SEL
PB_BF_SEL
IC202
TC74VHC244FT (EL)
PB_A/E_DATA
PB_A/E_CK
PB_B/F_DATA
PB_B/F_CK
PB_BF_CK
PB_AE_CK
PB_AE_DATA
PB_BF_DATA
CN2
PB_AE_RF_MON
PB_BF_RF_MON
PB_AE_ENV_MON
PB_BF_ENV_MON
PB_AE_CK_MON
PB_BF_CK_MON
L-CK_MON_ON
PB_SEL_AE_MON
PB_SEL_BF_MON
GND
FACTORY USE
1
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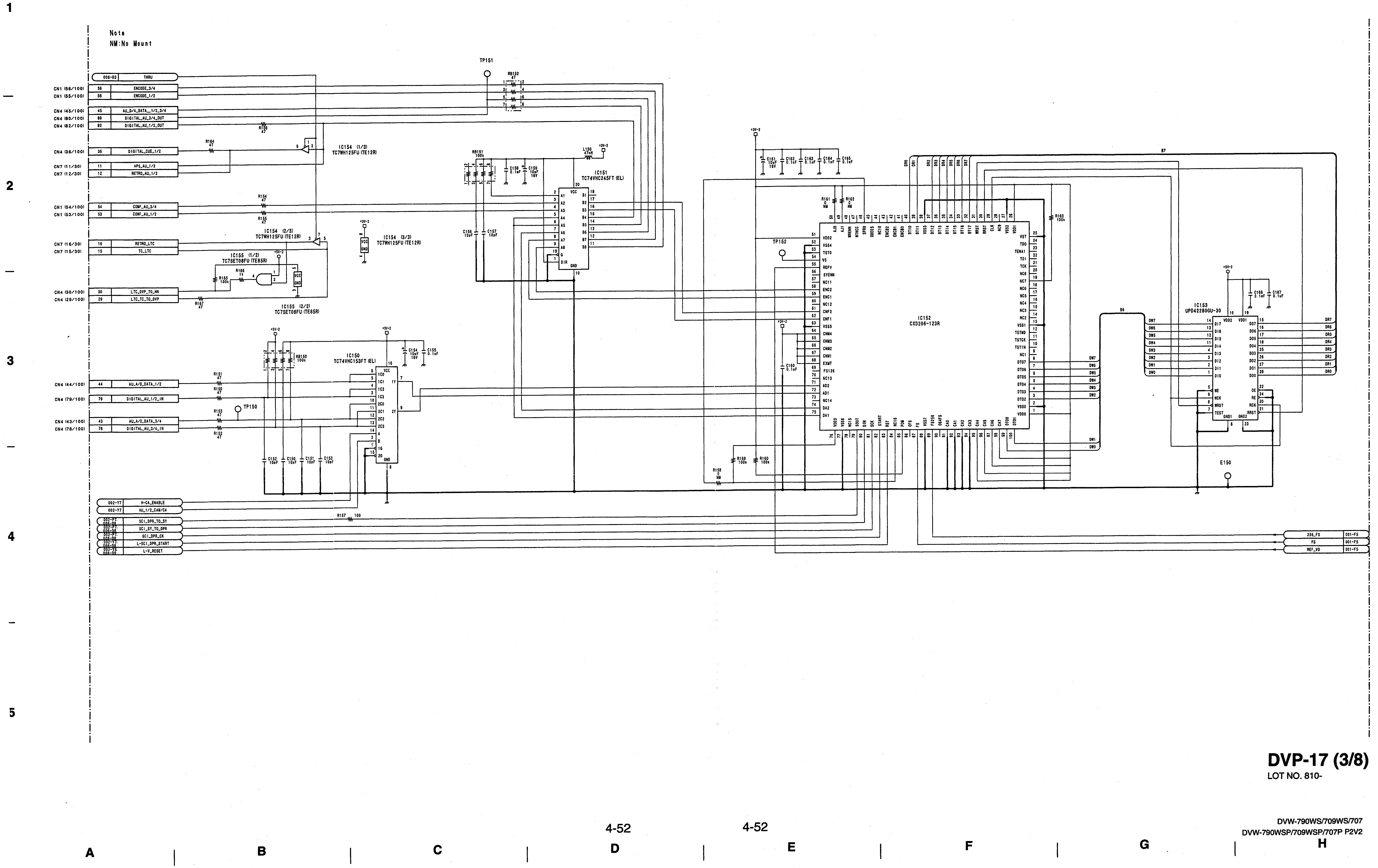
DVP-17 (4/8)
LOT NO. 810-

DVP-17 (3/8)


1
2
3
4
5
Note
NM:No Mount
006-D3 THRU
CN1 (56/100) 56 ENCODE_3/4
CN1 (55/100) 55 ENCODE_1/2
CN4 (45/100) 45 AU_D/A_DATA__1/2_3/4
CN4 (80/100) 80 DIGITAL_AU_3/4_OUT
CN4 (82/100) 82 DIGITAL_AU_1/2_OUT
CN4 (36/100) 36 DIGITAL_CUE_1/2
CN7 (11/30) 11 APS_AU_1/2
CN7 (12/30) 12 RETRO_AU_1/2
CN1 (54/100) 54 CONF_AU_3/4
CN1 (53/100) 53 CONF_AU_1/2
CN7 (16/30) 16 RETRO_LTC
CN7 (15/30) 15 TC_LTC
CN4 (30/100) 30 LTC_DVP_TO_HN
CN4 (29/100) 29 LTC_TC_TO_DVP
CN4 (44/100) 44 AU_A/D_DATA_1/2
CN4 (79/100) 79 DIGITAL_AU_1/2_IN
CN4 (43/100) 43 AU_A/D_DATA_3/4
CN4 (78/100) 78 DIGITAL_AU_3/4_IN
002-Y7 H-CA_ENABLE
002-Y7 AU_1/2_CAM/CA
002-P7, 006-D8 SCI_DPR_TO_SY
002-P7, 006-D8 SCI_SY_TO_DPR
002-P7, 006-D8 SCI_DPR_CK
002-Y7, 006-D8 L-SCI_DPR_START
002-Y6, 006-D9 L-V_RESET
R156 47
R164 47
IC154 (1/3) TC7WH125FU (TE12R)
R154 47
R155 47
IC154 (2/3) TC7WH125FU (TE12R)
IC154 (3/3) TC7WH125FU (TE12R)
+3V-2
VCC GND
IC155 (1/2) TC7SET08FU (TE85R)
+5V-2
R165 100k
R166 1k
R167 47
IC155 (2/2) TC7SET08FU (TE85R)
RB150 100k
IC150 TC74VHC153FT (EL)
C154 10uF 16V
C155 0.1uF
R151 47
R150 47
R153 47
R152 47
TP150
C152 10pF
C150 10pF
C151 10pF
C153 10pF
R157 100
TP151
RB152 47
RB151 100k
C158 0.1uF
C159 10uF 16V
L150 47nH
IC151 TC74VHC245FT (EL)
C156 10pF
C157 10pF
C161 10uF 16V
C162 0.1uF
C163 0.1uF
C164 0.1uF
C165 0.1uF
R161 0 NM
R162 0 NM
R163 100k
TP152
C160 0.1uF
IC152 CXD206-123R
R158 0 NM
R159 100k
R160 100k
DR0 DR1 DR2 DR3 DR4 DR5 DR6 DR7
DW0 DW1 DW2 DW3 DW4 DW5 DW6 DW7
IC153 UPD42280GU-30
C166 0.1uF
C167 0.1uF
E150
256_FS 001-F5
FS 001-F5
REF_VD 001-F5
A
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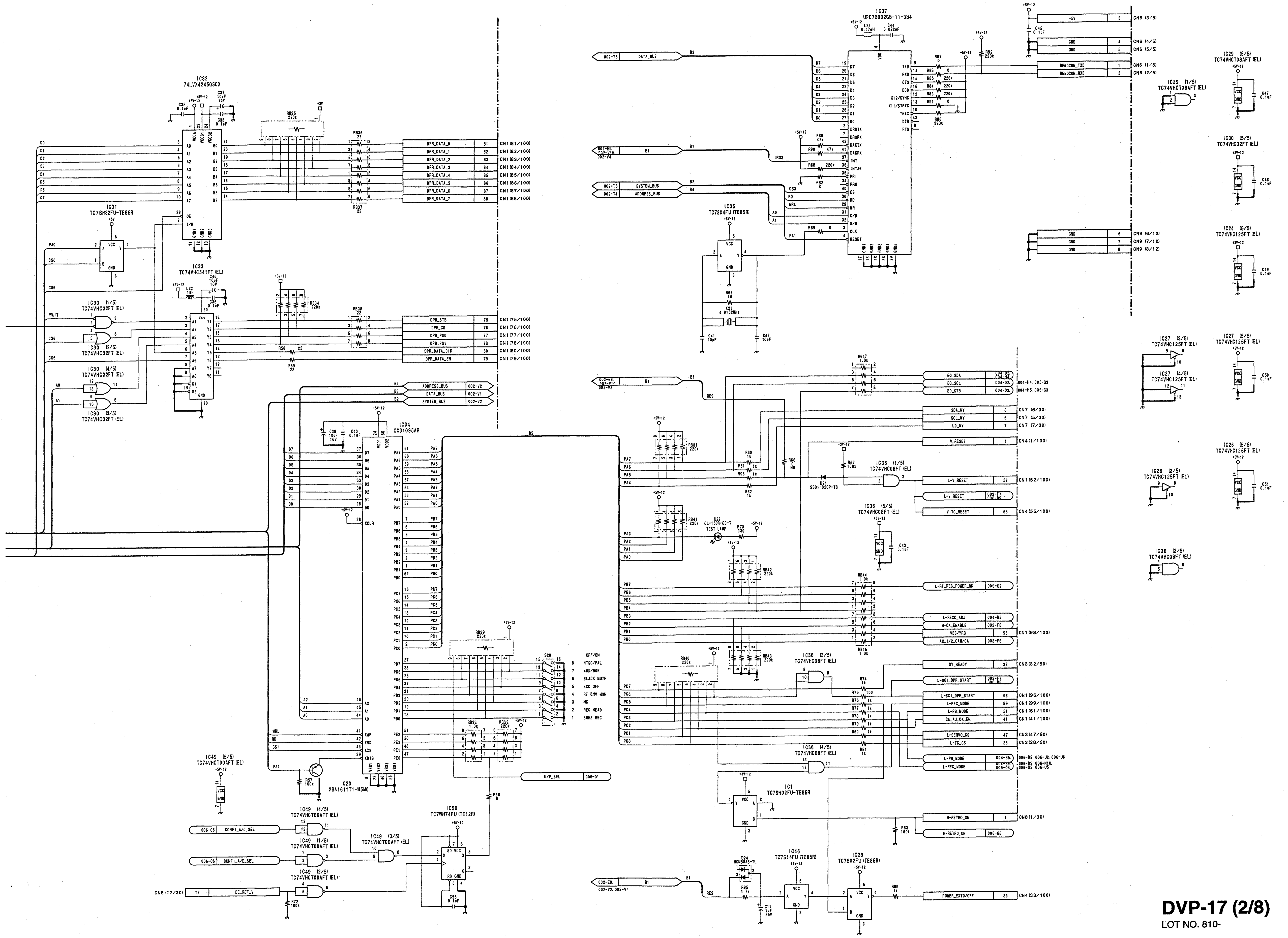
DVP-17 (3/8)
LOT NO. 810-

4-52

SONY-SP1386 / DRUCK 68

DVP-17 (2/8)


IC32
74LVX4245QSCX
IC31
TC7SH32FU-TE85R
IC33
TC74VHC541FT (EL)
IC30 (1/5)
TC74VHC32FT (EL)
IC30 (2/5)
IC30 (4/5)
IC30 (3/5)
IC34
CXD1095AR
IC37
UPD72002GB-11-3B4
IC35
TC7S04FU (TE85R)
X21
4.9152MHz
IC29 (1/5)
TC74VHCT08AFT (EL)
IC29 (5/5)
IC30 (5/5)
TC74VHC32FT (EL)
IC24 (5/5)
TC74VHC125FT (EL)
IC27 (3/5)
IC27 (4/5)
IC27 (5/5)
TC74VHC125FT (EL)
IC26 (3/5)
IC26 (5/5)
TC74VHC125FT (EL)
IC36 (1/5)
IC36 (2/5)
IC36 (3/5)
IC36 (4/5)
IC36 (5/5)
TC74VHC08FT (EL)
D21
SS01-05CP-TB
D22
CL-150Y-CD-T
TEST LAMP
IC1
TC7SH02FU-TE85R
IC46
TC7S14FU (TE85R)
IC39
TC7S02FU (TE85R)
D24
HSM88AS-TL
IC49 (5/5)
IC49 (4/5)
IC49 (1/5)
IC49 (3/5)
IC49 (2/5)
TC74VHCT00AFT (EL)
IC50
TC7WH74FU (TE12R)
Q20
2SA1611T1-M5M6
S20
OFF/ON
NTSC/PAL
40K/50K
SLACK MUTE
ECC OFF
RF ENV MON
NC
REC HEAD
8MHZ REC
DATA_BUS
SYSTEM_BUS
ADDRESS_BUS
DPR_DATA_0
DPR_DATA_1
DPR_DATA_2
DPR_DATA_3
DPR_DATA_4
DPR_DATA_5
DPR_DATA_6
DPR_DATA_7
DPR_STB
DPR_CS
DPR_PS0
DPR_PS1
DPR_DATA_DIR
DPR_DATA_EN
REMOCON_TXD
REMOCON_RXD
EQ_SDA
EQ_SCL
EQ_STB
SDA_MY
SCL_MY
LD_MY
V_RESET
L-V_RESET
VITC_RESET
L-RF_REC_POWER_ON
L-RECC_ADJ
H-CA_ENABLE
VBS/YRB
AU_1/2_CAM/CA
SY_READY
L-SCI_DPR_START
L-REC_MODE
L-PB_MODE
CA_AU_CK_EN
L-SERVO_CS
L-TC_CS
H-RETRO_ON
POWER_EXT0/OFF
N/P_SEL
CONFI_A/C_SEL
CONFI_A/E_SEL
DE_REF_V

DVP-17 (2/8)

LOT NO. 810-

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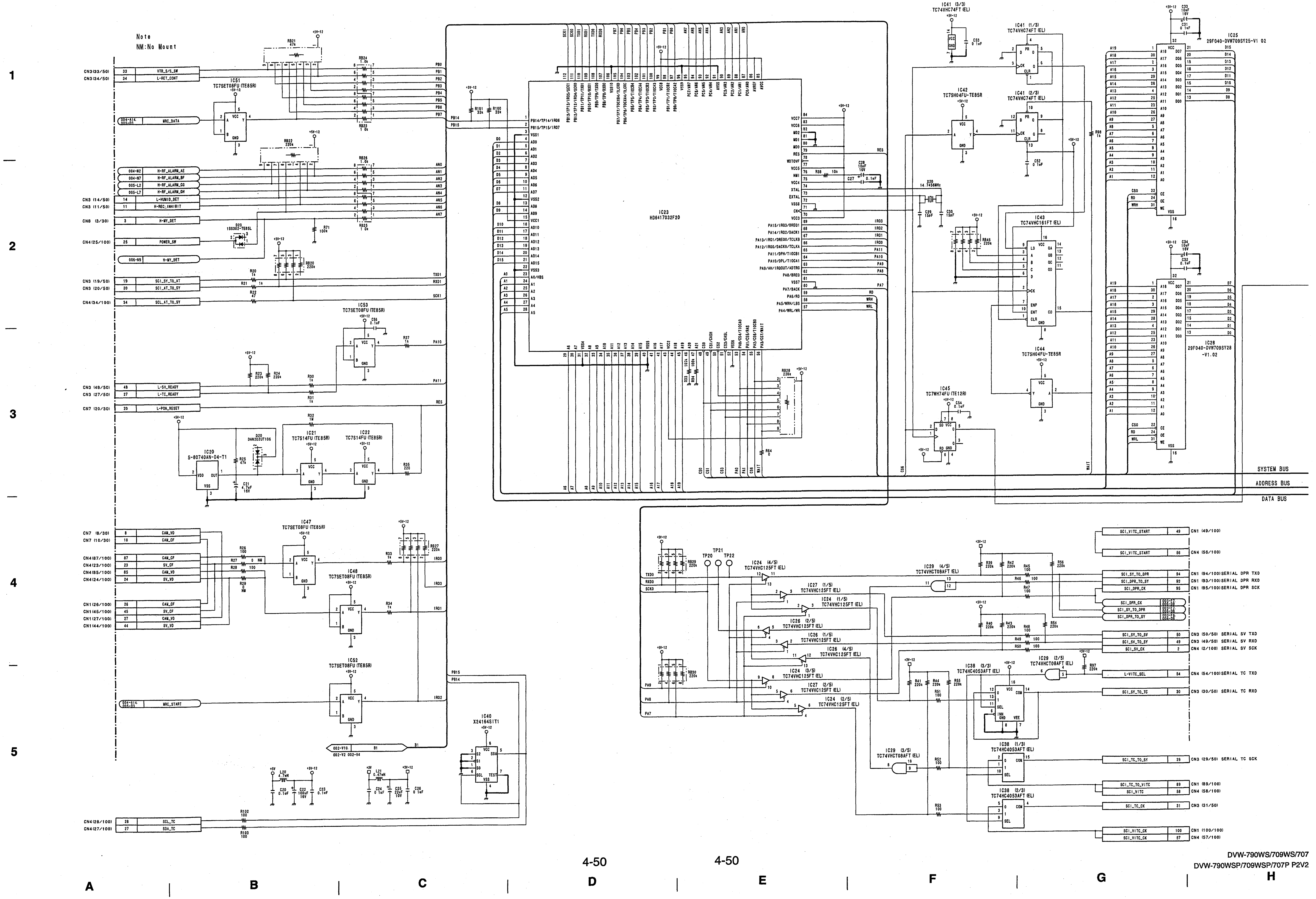
DVP-17 (2/8)


Note
NM:No Mount
IC51 TC7SET08FU (TE85R)
IC53 TC7SET08FU (TE85R)
IC20 S-80740AN-D4-T1
IC21 TC7S14FU (TE85R)
IC22 TC7S14FU (TE85R)
IC47 TC7SET08FU (TE85R)
IC48 TC7SET08FU (TE85R)
IC52 TC7SET08FU (TE85R)
IC40 X24164S1T1
IC23 HD6417032F20
IC41 (3/3) TC74VHC74FT (EL)
IC41 (1/3) TC74VHC74FT (EL)
IC41 (2/3) TC74VHC74FT (EL)
IC42 TC7SH04FU-TE85R
IC43 TC74VHC161FT (EL)
IC44 TC7SH04FU-TE85R
IC45 TC7WH74FU (TE12R)
IC25 29F040-DVW709SY25-V1.02
IC28 29F040-DVW709SY28 -V1.02
X20 14.7456MHz
SYSTEM BUS
ADDRESS BUS
DATA BUS
TP20
TP21
TP22
IC24 (4/5) TC74VHC125FT (EL)
IC27 (1/5) TC74VHC125FT (EL)
IC24 (1/5) TC74VHC125FT (EL)
IC26 (2/5) TC74VHC125FT (EL)
IC26 (1/5) TC74VHC125FT (EL)
IC26 (4/5) TC74VHC125FT (EL)
IC24 (3/5) TC74VHC125FT (EL)
IC27 (2/5) TC74VHC125FT (EL)
IC24 (2/5) TC74VHC125FT (EL)
IC29 (4/5) TC74VHCT08AFT (EL)
IC29 (2/5) TC74VHCT08AFT (EL)
IC29 (3/5) TC74VHCT08AFT (EL)
IC38 (3/3) TC74HC4053AFT (EL)
IC38 (1/3) TC74HC4053AFT (EL)
IC38 (2/3) TC74HC4053AFT (EL)
CN1 (94/100) SERIAL DPR TXD
CN1 (93/100) SERIAL DPR RXD
CN1 (95/100) SERIAL DPR SCK
CN3 (50/50) SERIAL SV TXD
CN3 (49/50) SERIAL SV RXD
CN4 (2/100) SERIAL SV SCK
CN4 (54/100) SERIAL TC TXD
CN3 (30/50) SERIAL TC RXD
CN3 (29/50) SERIAL TC SCK
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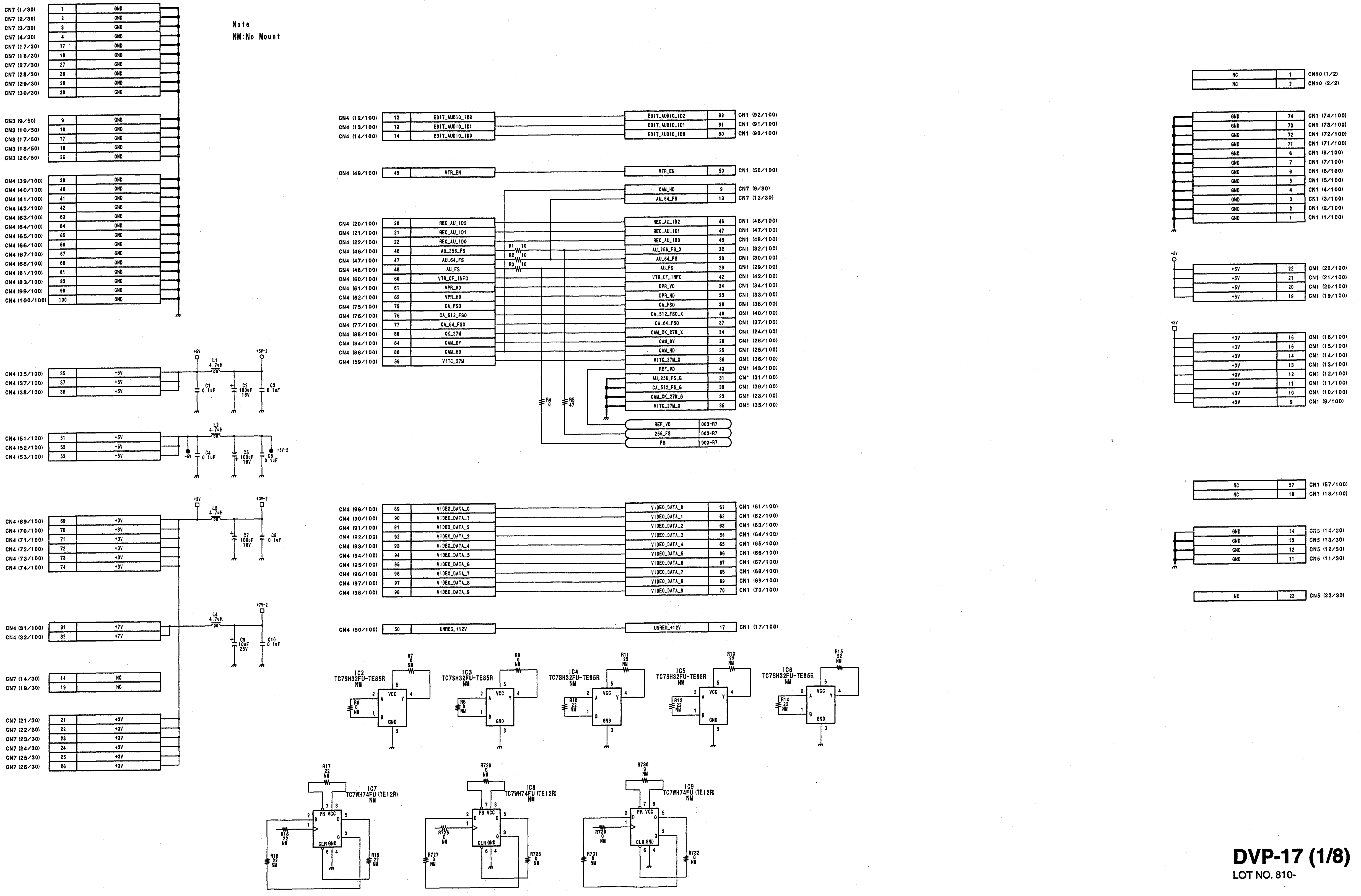
Note
NM:No Mount
CN7 (1/30) 1 GND
CN7 (2/30) 2 GND
CN7 (3/30) 3 GND
CN7 (4/30) 4 GND
CN7 (17/30) 17 GND
CN7 (18/30) 18 GND
CN7 (27/30) 27 GND
CN7 (28/30) 28 GND
CN7 (29/30) 29 GND
CN7 (30/30) 30 GND
CN3 (9/50) 9 GND
CN3 (10/50) 10 GND
CN3 (17/50) 17 GND
CN3 (18/50) 18 GND
CN3 (26/50) 26 GND
CN4 (39/100) 39 GND
CN4 (40/100) 40 GND
CN4 (41/100) 41 GND
CN4 (42/100) 42 GND
CN4 (63/100) 63 GND
CN4 (64/100) 64 GND
CN4 (65/100) 65 GND
CN4 (66/100) 66 GND
CN4 (67/100) 67 GND
CN4 (68/100) 68 GND
CN4 (81/100) 81 GND
CN4 (83/100) 83 GND
CN4 (99/100) 99 GND
CN4 (100/100) 100 GND
CN4 (35/100) 35 +5V
CN4 (37/100) 37 +5V
CN4 (38/100) 38 +5V
+5V
L1 4.7uH
+5V-2
C1 0.1uF
C2 100uF 16V
C3 0.1uF
CN4 (51/100) 51 -5V
CN4 (52/100) 52 -5V
CN4 (53/100) 53 -5V
L2 4.7uH
-5V
C4 0.1uF
C5 100uF 16V
C6 0.1uF
-5V-2
CN4 (69/100) 69 +3V
CN4 (70/100) 70 +3V
CN4 (71/100) 71 +3V
CN4 (72/100) 72 +3V
CN4 (73/100) 73 +3V
CN4 (74/100) 74 +3V
+3V
L3 4.7uH
+3V-2
C7 100uF 16V
C8 0.1uF
CN4 (31/100) 31 +7V
CN4 (32/100) 32 +7V
L4 4.7uH
+7V-2
C9 10uF 25V
C10 0.1uF
CN7 (14/30) 14 NC
CN7 (19/30) 19 NC
CN7 (21/30) 21 +3V
CN7 (22/30) 22 +3V
CN7 (23/30) 23 +3V
CN7 (24/30) 24 +3V
CN7 (25/30) 25 +3V
CN7 (26/30) 26 +3V
CN4 (12/100) 12 EDIT_AUDIO_ID2
CN4 (13/100) 13 EDIT_AUDIO_ID1
CN4 (14/100) 14 EDIT_AUDIO_ID0
CN4 (49/100) 49 VTR_EN
CN4 (20/100) 20 REC_AU_ID2
CN4 (21/100) 21 REC_AU_ID1
CN4 (22/100) 22 REC_AU_ID0
CN4 (46/100) 46 AU_256_FS
CN4 (47/100) 47 AU_64_FS
CN4 (48/100) 48 AU_FS
CN4 (60/100) 60 VTR_CF_INFO
CN4 (61/100) 61 VPR_VD
CN4 (62/100) 62 VPR_HD
CN4 (75/100) 75 CA_FSO
CN4 (76/100) 76 CA_512_FSO
CN4 (77/100) 77 CA_64_FSO
CN4 (88/100) 88 CK_27M
CN4 (84/100) 84 CAM_SY
CN4 (86/100) 86 CAM_HD
CN4 (59/100) 59 VITC_27M
R1 10
R2 10
R3 10
R4 0
R5 47
EDIT_AUDIO_ID2 92 CN1 (92/100)
EDIT_AUDIO_ID1 91 CN1 (91/100)
EDIT_AUDIO_ID0 90 CN1 (90/100)
VTR_EN 50 CN1 (50/100)
CAM_HD 9 CN7 (9/30)
AU_64_FS 13 CN7 (13/30)
REC_AU_ID2 46 CN1 (46/100)
REC_AU_ID1 47 CN1 (47/100)
REC_AU_ID0 48 CN1 (48/100)
AU_256_FS_X 32 CN1 (32/100)
AU_64_FS 30 CN1 (30/100)
AU_FS 29 CN1 (29/100)
VTR_CF_INFO 42 CN1 (42/100)
DPR_VD 34 CN1 (34/100)
DPR_HD 33 CN1 (33/100)
CA_FSO 38 CN1 (38/100)
CA_512_FSO_X 40 CN1 (40/100)
CA_64_FSO 37 CN1 (37/100)
CAM_CK_27M_X 24 CN1 (24/100)
CAM_SY 28 CN1 (28/100)
CAM_HD 25 CN1 (25/100)
VITC_27M_X 36 CN1 (36/100)
REF_VD 43 CN1 (43/100)
AU_256_FS_G 31 CN1 (31/100)
CA_512_FS_G 39 CN1 (39/100)
CAM_CK_27M_G 23 CN1 (23/100)
VITC_27M_G 35 CN1 (35/100)
REF_VD 003-R7
256_FS 003-R7
FS 003-R7
CN4 (89/100) 89 VIDEO_DATA_0
CN4 (90/100) 90 VIDEO_DATA_1
CN4 (91/100) 91 VIDEO_DATA_2
CN4 (92/100) 92 VIDEO_DATA_3
CN4 (93/100) 93 VIDEO_DATA_4
CN4 (94/100) 94 VIDEO_DATA_5
CN4 (95/100) 95 VIDEO_DATA_6
CN4 (96/100) 96 VIDEO_DATA_7
CN4 (97/100) 97 VIDEO_DATA_8
CN4 (98/100) 98 VIDEO_DATA_9
VIDEO_DATA_0 61 CN1 (61/100)
VIDEO_DATA_1 62 CN1 (62/100)
VIDEO_DATA_2 63 CN1 (63/100)
VIDEO_DATA_3 64 CN1 (64/100)
VIDEO_DATA_4 65 CN1 (65/100)
VIDEO_DATA_5 66 CN1 (66/100)
VIDEO_DATA_6 67 CN1 (67/100)
VIDEO_DATA_7 68 CN1 (68/100)
VIDEO_DATA_8 69 CN1 (69/100)
VIDEO_DATA_9 70 CN1 (70/100)
CN4 (50/100) 50 UNREG_+12V
UNREG_+12V 17 CN1 (17/100)
IC2 TC7SH32FU-TE85R NM
R6 0 NM
R7 0 NM
IC3 TC7SH32FU-TE85R NM
R8 0 NM
R9 0 NM
IC4 TC7SH32FU-TE85R NM
R10 22 NM
R11 22 NM
IC5 TC7SH32FU-TE85R NM
R12 22 NM
R13 22 NM
IC6 TC7SH32FU-TE85R NM
R14 22 NM
R15 22 NM
VCC A B Y GND
IC7 TC7WH74FU (TE12R) NM
R16 22 NM
R17 22 NM
R18 22 NM
R19 22 NM
IC8 TC7WH74FU (TE12R) NM
R725 0 NM
R726 0 NM
R727 0 NM
R728 0 NM
IC9 TC7WH74FU (TE12R) NM
R729 0 NM
R730 0 NM
R731 0 NM
R732 0 NM
PR VCC D Q CLR GND
NC 1 CN10 (1/2)
NC 2 CN10 (2/2)
GND 74 CN1 (74/100)
GND 73 CN1 (73/100)
GND 72 CN1 (72/100)
GND 71 CN1 (71/100)
GND 8 CN1 (8/100)
GND 7 CN1 (7/100)
GND 6 CN1 (6/100)
GND 5 CN1 (5/100)
GND 4 CN1 (4/100)
GND 3 CN1 (3/100)
GND 2 CN1 (2/100)
GND 1 CN1 (1/100)
+5V
+5V 22 CN1 (22/100)
+5V 21 CN1 (21/100)
+5V 20 CN1 (20/100)
+5V 19 CN1 (19/100)
+3V
+3V 16 CN1 (16/100)
+3V 15 CN1 (15/100)
+3V 14 CN1 (14/100)
+3V 13 CN1 (13/100)
+3V 12 CN1 (12/100)
+3V 11 CN1 (11/100)
+3V 10 CN1 (10/100)
+3V 9 CN1 (9/100)
NC 57 CN1 (57/100)
NC 18 CN1 (18/100)
GND 14 CN5 (14/30)
GND 13 CN5 (13/30)
GND 12 CN5 (12/30)
GND 11 CN5 (11/30)
NC 23 CN5 (23/30)

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DVP-17 (1/8)

LOT NO. 810-

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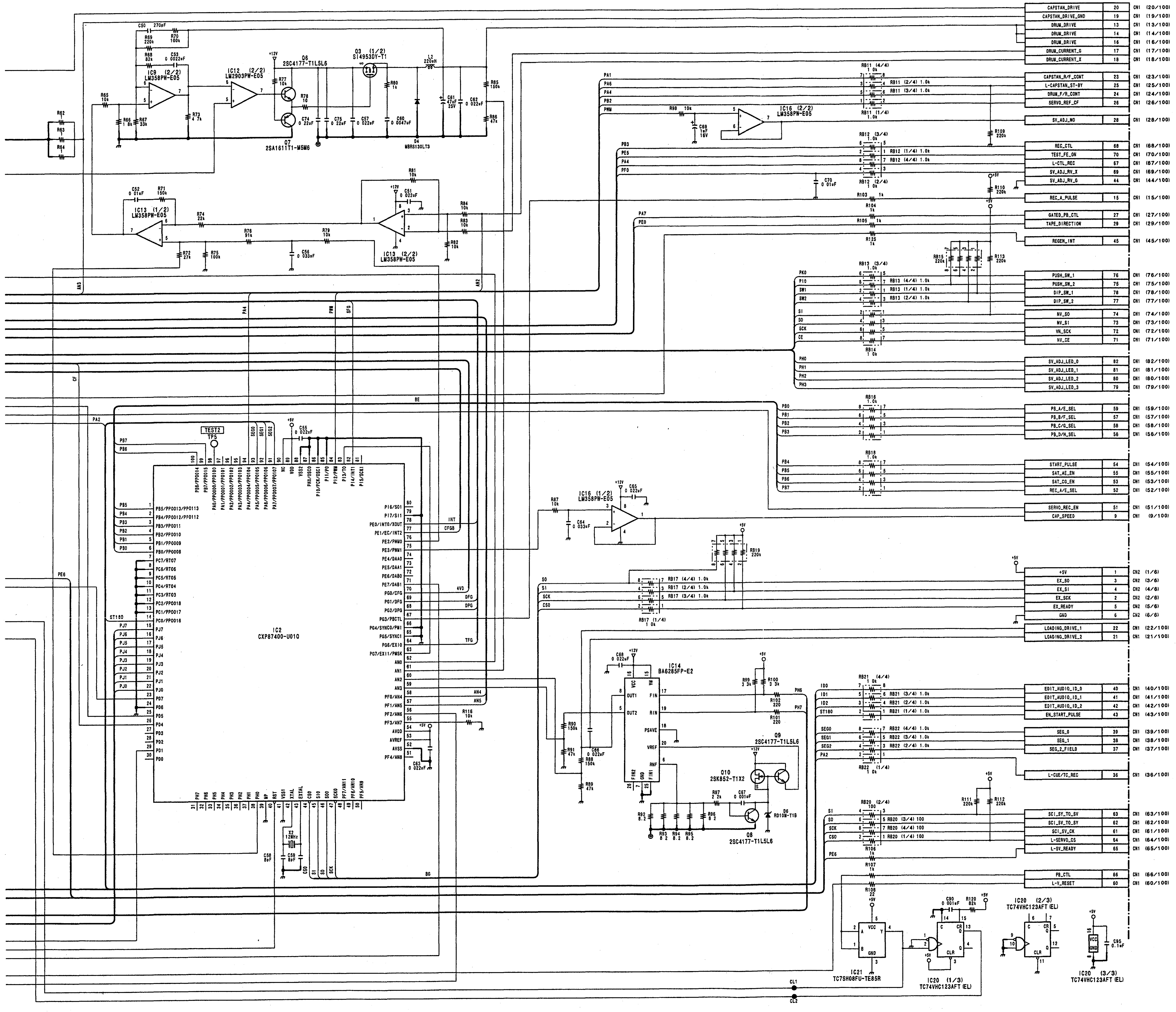
IC2
CXP87400-U010
IC9 (2/2)
LM358PW-E05
IC12 (2/2)
LM2903PW-E05
IC13 (1/2)
LM358PW-E05
IC13 (2/2)
LM358PW-E05
IC16 (1/2)
LM358PW-E05
IC16 (2/2)
LM358PW-E05
IC14
BA6285FP-E2
Q6
2SC4177-T1L5L6
Q7
2SA1611T1-M5M6
Q3 (1/2)
SI4953DY-T1
D4
MBRS130LT3
Q8
2SC4177-T1L5L6
Q9
2SC4177-T1L5L6
Q10
2SK852-T1X2
D6
RD10B-T1B
IC21
TC7SH08FU-TE85R
IC20 (1/3)
TC74VHC123AFT (EL)
IC20 (2/3)
TC74VHC123AFT (EL)
IC20 (3/3)
TC74VHC123AFT (EL)
TEST2
TP5
X2
12MHz
CL1
CL2
CAPSTAN_DRIVE 20 CN1 (20/100)
CAPSTAN_DRIVE_GND 19 CN1 (19/100)
DRUM_DRIVE 13 CN1 (13/100)
DRUM_DRIVE 14 CN1 (14/100)
DRUM_DRIVE 16 CN1 (16/100)
DRUM_CURRENT_G 17 CN1 (17/100)
DRUM_CURRENT_X 18 CN1 (18/100)
CAPSTAN_R/F_CONT 23 CN1 (23/100)
L-CAPSTAN_ST-BY 25 CN1 (25/100)
DRUM_F/R_CONT 24 CN1 (24/100)
SERVO_REF_CF 26 CN1 (26/100)
SV_ADJ_NO 28 CN1 (28/100)
REC_CTL 68 CN1 (68/100)
TEST_FE_ON 70 CN1 (70/100)
L-CTL_REC 67 CN1 (67/100)
SV_ADJ_RV_X 69 CN1 (69/100)
SV_ADJ_RV_G 44 CN1 (44/100)
REC_A_PULSE 15 CN1 (15/100)
GATED_PB_CTL 27 CN1 (27/100)
TAPE_DIRECTION 29 CN1 (29/100)
REGEN_INT 45 CN1 (45/100)
PUSH_SW_1 76 CN1 (76/100)
PUSH_SW_2 75 CN1 (75/100)
DIP_SW_1 78 CN1 (78/100)
DIP_SW_2 77 CN1 (77/100)
NV_SO 74 CN1 (74/100)
NV_SI 73 CN1 (73/100)
VN_SCK 72 CN1 (72/100)
NV_CE 71 CN1 (71/100)
SV_ADJ_LED_0 82 CN1 (82/100)
SV_ADJ_LED_1 81 CN1 (81/100)
SV_ADJ_LED_2 80 CN1 (80/100)
SV_ADJ_LED_3 79 CN1 (79/100)
PB_A/E_SEL 59 CN1 (59/100)
PB_B/F_SEL 57 CN1 (57/100)
PB_C/G_SEL 58 CN1 (58/100)
PB_D/H_SEL 56 CN1 (56/100)
START_PULSE 54 CN1 (54/100)
SAT_AE_EN 55 CN1 (55/100)
SAT_CG_EN 53 CN1 (53/100)
REC_A/E_SEL 52 CN1 (52/100)
SERVO_REC_EN 51 CN1 (51/100)
CAP_SPEED 9 CN1 (9/100)
+5V 1 CN2 (1/6)
EX_SO 3 CN2 (3/6)
EX_SI 4 CN2 (4/6)
EX_SCK 2 CN2 (2/6)
EX_READY 5 CN2 (5/6)
GND 6 CN2 (6/6)
LOADING_DRIVE_1 22 CN1 (22/100)
LOADING_DRIVE_2 21 CN1 (21/100)
EDIT_AUDIO_ID_0 40 CN1 (40/100)
EDIT_AUDIO_ID_1 41 CN1 (41/100)
EDIT_AUDIO_ID_2 42 CN1 (42/100)
EN_START_PULSE 43 CN1 (43/100)
SEG_0 39 CN1 (39/100)
SEG_1 38 CN1 (38/100)
SEG_2_FIELD 37 CN1 (37/100)
L-CUE/TC_REC 36 CN1 (36/100)
SCI_SY_TO_SV 63 CN1 (63/100)
SCI_SV_TO_SY 62 CN1 (62/100)
SCI_SV_CK 61 CN1 (61/100)
L-SERVO_CS 64 CN1 (64/100)
L-SV_READY 65 CN1 (65/100)
PB_CTL 66 CN1 (66/100)
L-V_RESET 60 CN1 (60/100)

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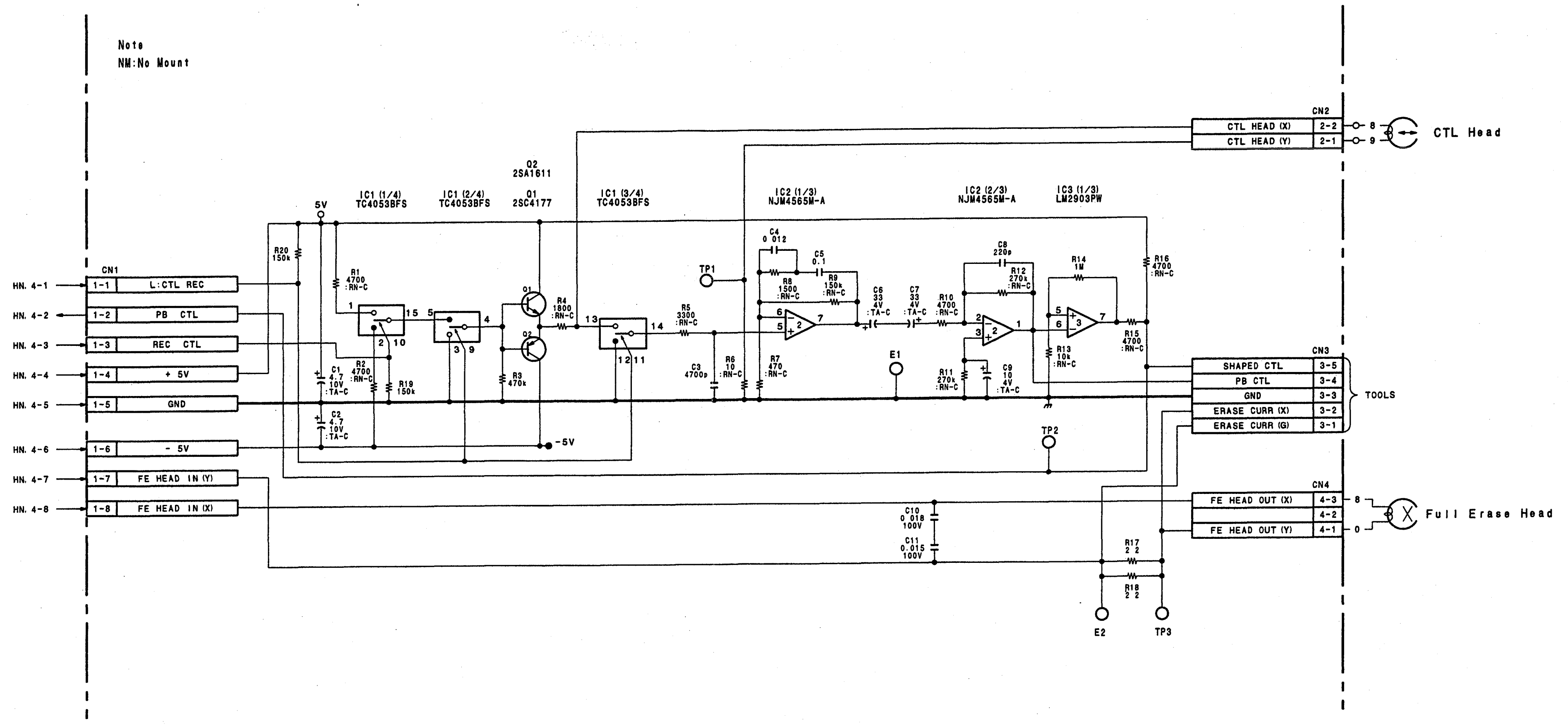
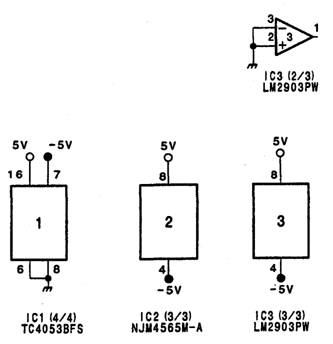
SV-210
LOT NO. 810-

I | J | K | L | M | N | O | P


Note
NM:No Mount
CN1
HN. 4-1
HN. 4-2
HN. 4-3
HN. 4-4
HN. 4-5
HN. 4-6
HN. 4-7
HN. 4-8
1-1 L:CTL REC
1-2 PB CTL
1-3 REC CTL
1-4 + 5V
1-5 GND
1-6 - 5V
1-7 FE HEAD IN (Y)
1-8 FE HEAD IN (X)
5V
R20 150k
IC1 (1/4) TC4053BFS
IC1 (2/4) TC4053BFS
Q2 2SA1611
Q1 2SC4177
IC1 (3/4) TC4053BFS
R1 4700 :RN-C
R2 4700 :RN-C
R19 150k
C1 4.7 10V :TA-C
C2 4.7 10V :TA-C
R3 470k
R4 1800 :RN-C
-5V
R5 3300 :RN-C
C3 4700p
R6 10 :RN-C
R7 470 :RN-C
TP1
IC2 (1/3) NJM4565M-A
C4 0 012
C5 0.1
R8 1500 :RN-C
R9 150k :RN-C
C6 33 4V :TA-C
C7 33 4V :TA-C
R10 4700 :RN-C
IC2 (2/3) NJM4565M-A
C8 220p
R12 270k :RN-C
R11 270k :RN-C
C9 10 4V :TA-C
E1
IC3 (1/3) LM2903PW
R14 1M
R13 10k :RN-C
R15 4700 :RN-C
R16 4700 :RN-C
TP2
CN2
CTL HEAD (X) 2-2
CTL HEAD (Y) 2-1
CTL Head
CN3
SHAPED CTL 3-5
PB CTL 3-4
GND 3-3
ERASE CURR (X) 3-2
ERASE CURR (G) 3-1
TOOLS
CN4
FE HEAD OUT (X) 4-3
4-2
FE HEAD OUT (Y) 4-1
Full Erase Head
C10 0 018 100V
C11 0.015 100V
R17 2 2
R18 2 2
E2
TP3


IC3 (2/3) LM2903PW
5V -5V
16 7
1
6 8
IC1 (4/4) TC4053BFS
5V
8
2
4
-5V
IC2 (3/3) NJM4565M-A
5V
8
3
4
-5V
IC3 (3/3) LM2903PW

CTL-10
LOT NO. 810-

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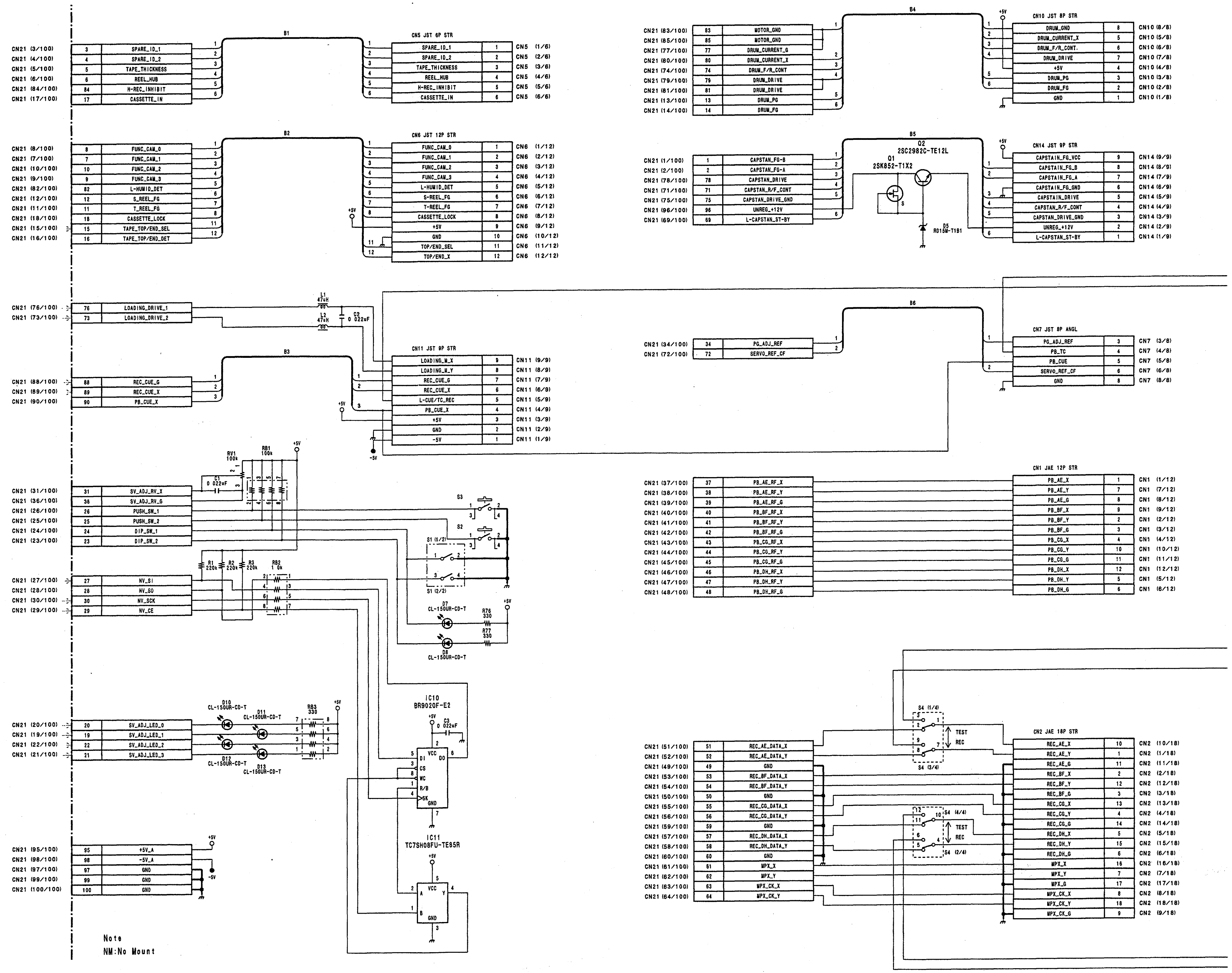
B1
CN5 JST 6P STR
CN21 (3/100) 3 SPARE_ID_1 — SPARE_ID_1 1 CN5 (1/6)
CN21 (4/100) 4 SPARE_ID_2 — SPARE_ID_2 2 CN5 (2/6)
CN21 (5/100) 5 TAPE_THICKNESS — TAPE_THICKNESS 3 CN5 (3/6)
CN21 (6/100) 6 REEL_HUB — REEL_HUB 4 CN5 (4/6)
CN21 (84/100) 84 H-REC_INHIBIT — H-REC_INHIBIT 5 CN5 (5/6)
CN21 (17/100) 17 CASSETTE_IN — CASSETTE_IN 6 CN5 (6/6)
B2
CN6 JST 12P STR
CN21 (8/100) 8 FUNC_CAM_0 — FUNC_CAM_0 1 CN6 (1/12)
CN21 (7/100) 7 FUNC_CAM_1 — FUNC_CAM_1 2 CN6 (2/12)
CN21 (10/100) 10 FUNC_CAM_2 — FUNC_CAM_2 3 CN6 (3/12)
CN21 (9/100) 9 FUNC_CAM_3 — FUNC_CAM_3 4 CN6 (4/12)
CN21 (82/100) 82 L-HUMID_DET — L-HUMID_DET 5 CN6 (5/12)
CN21 (12/100) 12 S_REEL_FG — S-REEL_FG 6 CN6 (6/12)
CN21 (11/100) 11 T_REEL_FG — T-REEL_FG 7 CN6 (7/12)
CN21 (18/100) 18 CASSETTE_LOCK — CASSETTE_LOCK 8 CN6 (8/12)
+5V — +5V 9 CN6 (9/12)
GND 10 CN6 (10/12)
CN21 (15/100) 15 TAPE_TOP/END_SEL — TOP/END_SEL 11 CN6 (11/12)
CN21 (16/100) 16 TAPE_TOP/END_DET — TOP/END_X 12 CN6 (12/12)
CN21 (76/100) 76 LOADING_DRIVE_1
CN21 (73/100) 73 LOADING_DRIVE_2
L1 47uH
L2 47uH
C2 0 022uF
B3
CN11 JST 9P STR
LOADING_M_X 9 CN11 (9/9)
LOADING_M_Y 8 CN11 (8/9)
CN21 (88/100) 88 REC_CUE_G — REC_CUE_G 7 CN11 (7/9)
CN21 (89/100) 89 REC_CUE_X — REC_CUE_X 6 CN11 (6/9)
L-CUE/TC_REC 5 CN11 (5/9)
CN21 (90/100) 90 PB_CUE_X — PB_CUE_X 4 CN11 (4/9)
+5V 3 CN11 (3/9)
GND 2 CN11 (2/9)
-5V 1 CN11 (1/9)
-5V
RV1 100k
RB1 100k
C1 0 022uF
CN21 (31/100) 31 SV_ADJ_RV_X
CN21 (36/100) 36 SV_ADJ_RV_G
CN21 (26/100) 26 PUSH_SW_1
CN21 (25/100) 25 PUSH_SW_2
CN21 (24/100) 24 DIP_SW_1
CN21 (23/100) 23 DIP_SW_2
S3
S2
S1 (1/2)
S1 (2/2)
R1 220k
R2 220k
R3 220k
RB2 1 0k
CN21 (27/100) 27 NV_SI
CN21 (28/100) 28 NV_SO
CN21 (30/100) 30 NV_SCK
CN21 (29/100) 29 NV_CE
D7 CL-150UR-CD-T
D8 CL-150UR-CD-T
R76 330
R77 330
IC10 BR9020F-E2
C3 0 022uF
VCC DI DO CS WC R/B SK GND
IC11 TC7SH08FU-TE85R
VCC A B Y GND
D10 CL-150UR-CD-T
D11 CL-150UR-CD-T
D12 CL-150UR-CD-T
D13 CL-150UR-CD-T
RB3 330
CN21 (20/100) 20 SV_ADJ_LED_0
CN21 (19/100) 19 SV_ADJ_LED_1
CN21 (22/100) 22 SV_ADJ_LED_2
CN21 (21/100) 21 SV_ADJ_LED_3
CN21 (95/100) 95 +5V_A
CN21 (98/100) 98 -5V_A
CN21 (97/100) 97 GND
CN21 (99/100) 99 GND
CN21 (100/100) 100 GND
+5V
-5V
Note
NM:No Mount
B4
CN10 JST 8P STR
CN21 (83/100) 83 MOTOR_GND — DRUM_GND 8 CN10 (8/8)
CN21 (85/100) 85 MOTOR_GND — DRUM_CURRENT_X 5 CN10 (5/8)
CN21 (77/100) 77 DRUM_CURRENT_G — DRUM_F/R_CONT. 6 CN10 (6/8)
CN21 (80/100) 80 DRUM_CURRENT_X — DRUM_DRIVE 7 CN10 (7/8)
CN21 (74/100) 74 DRUM_F/R_CONT — +5V 4 CN10 (4/8)
CN21 (79/100) 79 DRUM_DRIVE — DRUM_PG 3 CN10 (3/8)
CN21 (81/100) 81 DRUM_DRIVE — DRUM_FG 2 CN10 (2/8)
CN21 (13/100) 13 DRUM_PG — GND 1 CN10 (1/8)
CN21 (14/100) 14 DRUM_FG
B5
Q2 2SC2982C-TE12L
Q1 2SK852-T1X2
D5 RD15M-T1B1
CN14 JST 9P STR
CN21 (1/100) 1 CAPSTAN_FG-B — CAPSTAIN_FG_VCC 9 CN14 (9/9)
CN21 (2/100) 2 CAPSTAN_FG-A — CAPSTAIN_FG_B 8 CN14 (8/9)
CN21 (78/100) 78 CAPSTAN_DRIVE — CAPSTAIN_FG_A 7 CN14 (7/9)
CN21 (71/100) 71 CAPSTAN_R/F_CONT — CAPSTAIN_FG_GND 6 CN14 (6/9)
CN21 (75/100) 75 CAPSTAN_DRIVE_GND — CAPSTAIN_DRIVE 5 CN14 (5/9)
CN21 (96/100) 96 UNREG_+12V — CAPSTAN_R/F_CONT 4 CN14 (4/9)
CN21 (69/100) 69 L-CAPSTAN_ST-BY — CAPSTAN_DRIVE_GND 3 CN14 (3/9)
UNREG_+12V 2 CN14 (2/9)
L-CAPSTAN_ST-BY 1 CN14 (1/9)
B6
CN7 JST 8P ANGL
CN21 (34/100) 34 PG_ADJ_REF — PG_ADJ_REF 3 CN7 (3/8)
CN21 (72/100) 72 SERVO_REF_CF — PB_TC 4 CN7 (4/8)
PB_CUE 5 CN7 (5/8)
SERVO_REF_CF 6 CN7 (6/8)
GND 8 CN7 (8/8)
CN1 JAE 12P STR
CN21 (37/100) 37 PB_AE_RF_X — PB_AE_X 1 CN1 (1/12)
CN21 (38/100) 38 PB_AE_RF_Y — PB_AE_Y 7 CN1 (7/12)
CN21 (39/100) 39 PB_AE_RF_G — PB_AE_G 8 CN1 (8/12)
CN21 (40/100) 40 PB_BF_RF_X — PB_BF_X 9 CN1 (9/12)
CN21 (41/100) 41 PB_BF_RF_Y — PB_BF_Y 2 CN1 (2/12)
CN21 (42/100) 42 PB_BF_RF_G — PB_BF_G 3 CN1 (3/12)
CN21 (43/100) 43 PB_CG_RF_X — PB_CG_X 4 CN1 (4/12)
CN21 (44/100) 44 PB_CG_RF_Y — PB_CG_Y 10 CN1 (10/12)
CN21 (45/100) 45 PB_CG_RF_G — PB_CG_G 11 CN1 (11/12)
CN21 (46/100) 46 PB_DH_RF_X — PB_DH_X 12 CN1 (12/12)
CN21 (47/100) 47 PB_DH_RF_Y — PB_DH_Y 5 CN1 (5/12)
CN21 (48/100) 48 PB_DH_RF_G — PB_DH_G 6 CN1 (6/12)
S4 (1/4)
S4 (3/4)
S4 (4/4)
S4 (2/4)
TEST
REC
CN2 JAE 18P STR
CN21 (51/100) 51 REC_AE_DATA_X — REC_AE_X 10 CN2 (10/18)
CN21 (52/100) 52 REC_AE_DATA_Y — REC_AE_Y 1 CN2 (1/18)
CN21 (49/100) 49 GND — REC_AE_G 11 CN2 (11/18)
CN21 (53/100) 53 REC_BF_DATA_X — REC_BF_X 2 CN2 (2/18)
CN21 (54/100) 54 REC_BF_DATA_Y — REC_BF_Y 12 CN2 (12/18)
CN21 (50/100) 50 GND — REC_BF_G 3 CN2 (3/18)
CN21 (55/100) 55 REC_CG_DATA_X — REC_CG_X 13 CN2 (13/18)
CN21 (56/100) 56 REC_CG_DATA_Y — REC_CG_Y 4 CN2 (4/18)
CN21 (59/100) 59 GND — REC_CG_G 14 CN2 (14/18)
CN21 (57/100) 57 REC_DH_DATA_X — REC_DH_X 5 CN2 (5/18)
CN21 (58/100) 58 REC_DH_DATA_Y — REC_DH_Y 15 CN2 (15/18)
CN21 (60/100) 60 GND — REC_DH_G 6 CN2 (6/18)
CN21 (61/100) 61 MPX_X — MPX_X 16 CN2 (16/18)
CN21 (62/100) 62 MPX_Y — MPX_Y 7 CN2 (7/18)
CN21 (63/100) 63 MPX_CK_X — MPX_G 17 CN2 (17/18)
CN21 (64/100) 64 MPX_CK_Y — MPX_CK_X 8 CN2 (8/18)
MPX_CK_Y 18 CN2 (18/18)
MPX_CK_G 9 CN2 (9/18)

A | B | C | D | E | F | G | H

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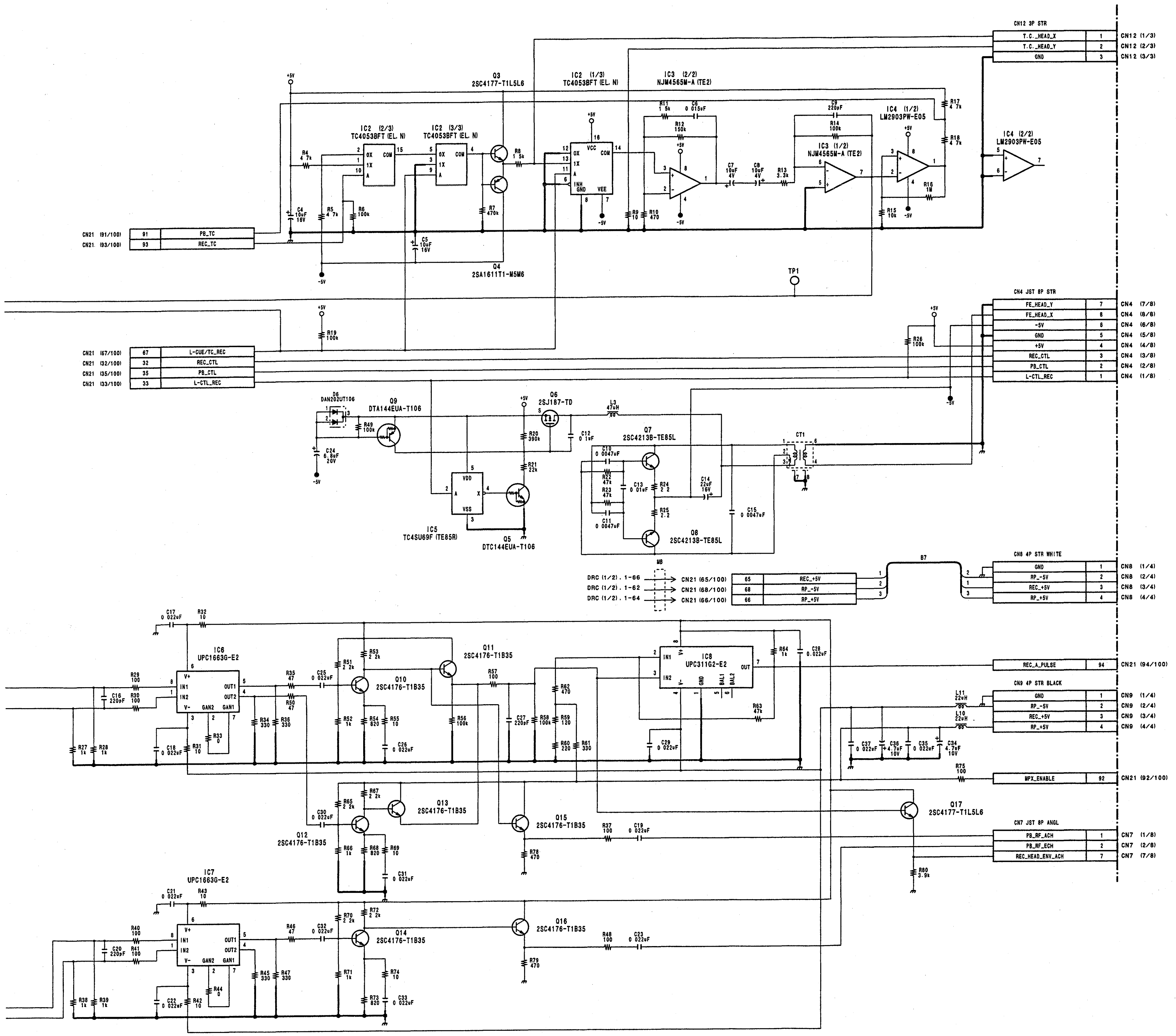

CN12 3P STR
T.C._HEAD_X
T.C._HEAD_Y
GND
CN12 (1/3)
CN12 (2/3)
CN12 (3/3)
Q3 2SC4177-T1L5L6
IC2 (1/3) TC4053BFT (EL, N)
IC3 (2/2) NJM4565M-A (TE2)
IC2 (2/3) TC4053BFT (EL, N)
IC2 (3/3) TC4053BFT (EL, N)
IC3 (1/2) NJM4565M-A (TE2)
IC4 (1/2) LM2903PW-E05
IC4 (2/2) LM2903PW-E05
Q4 2SA1611T1-M5M6
TP1
CN21 (91/100) PB_TC
CN21 (93/100) REC_TC
CN21 (67/100) L-CUE/TC_REC
CN21 (32/100) REC_CTL
CN21 (35/100) PB_CTL
CN21 (33/100) L-CTL_REC
CN4 JST 8P STR
FE_HEAD_Y
FE_HEAD_X
-5V
GND
+5V
REC_CTL
PB_CTL
L-CTL_REC
D6 DAN202UT106
Q9 DTA144EUA-T106
Q6 2SJ187-TD
L3 47uH
Q7 2SC4213B-TE85L
Q8 2SC4213B-TE85L
CT1
IC5 TC4SU69F (TE85R)
Q5 DTC144EUA-T106
M8
DRC (1/2), 1-66 CN21 (65/100) REC_+5V
DRC (1/2), 1-62 CN21 (68/100) RP_-5V
DRC (1/2), 1-64 CN21 (66/100) RP_+5V
B7
CN8 4P STR WHITE
GND
RP_-5V
REC_+5V
RP_+5V
IC6 UPC1663G-E2
Q10 2SC4176-T1B35
Q11 2SC4176-T1B35
IC8 UPC3311G2-E2
REC_A_PULSE
CN21 (94/100)
CN9 4P STR BLACK
GND
RP_-5V
REC_+5V
RP_+5V
MPX_ENABLE
CN21 (92/100)
Q12 2SC4176-T1B35
Q13 2SC4176-T1B35
Q15 2SC4176-T1B35
Q17 2SC4177-T1L5L6
CN7 JST 8P ANGL
PB_RF_ACH
PB_RF_ECH
REC_HEAD_ENV_ACH
CN7 (1/8)
CN7 (2/8)
CN7 (7/8)
IC7 UPC1663G-E2
Q14 2SC4176-T1B35
Q16 2SC4176-T1B35

HN-260
LOT NO. 810-

I | J | K | L | M | N | O | P

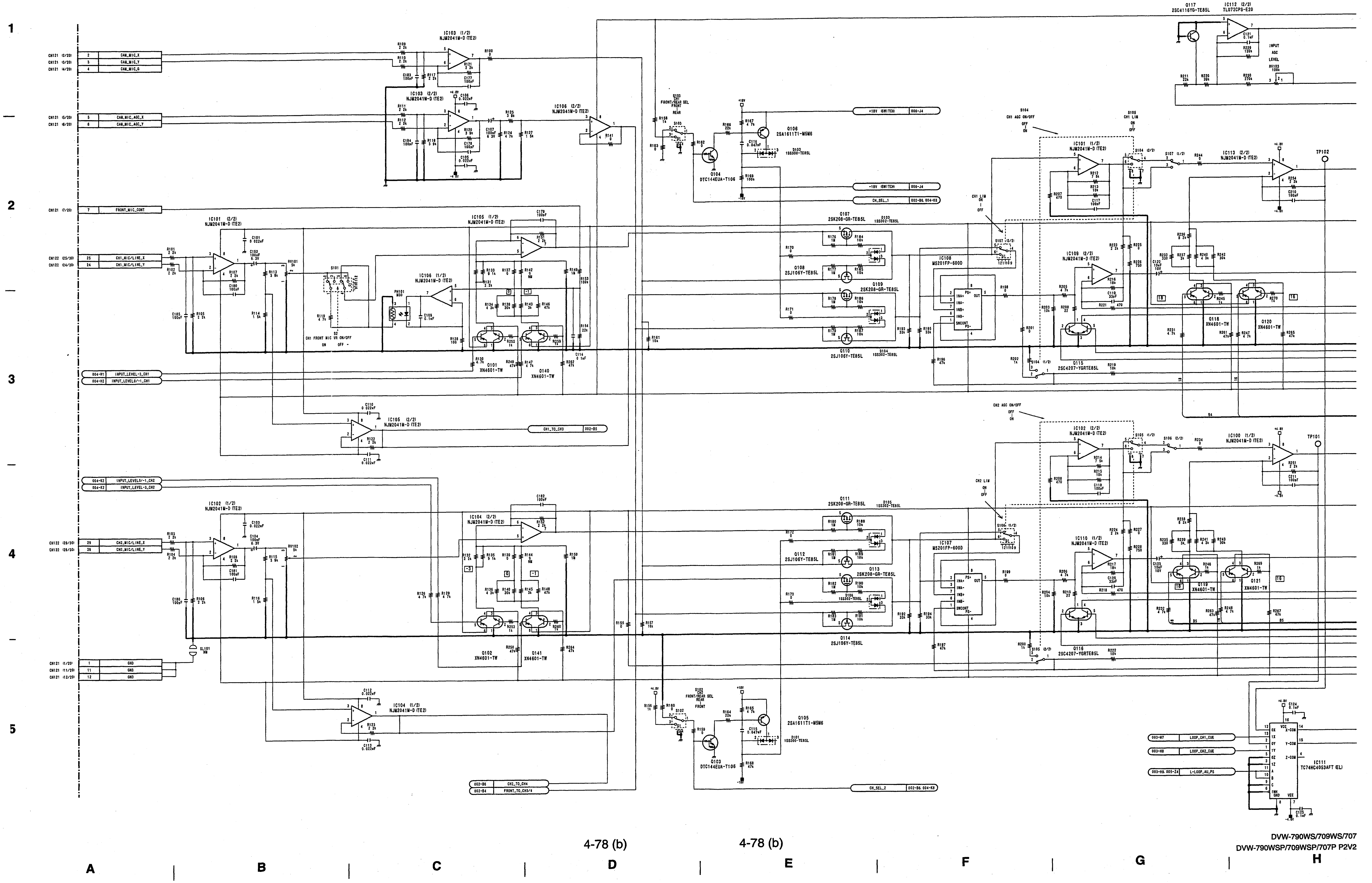
TC-101 (1/6)

TC-101 (1/6)

DVW-707 (J) : S/N 30011 and Higher
DVW-707 (SY) : S/N 10056 and Higher
DVW-707P : S/N 40121 and Higher

DVW-709WS (J) : S/N 30006 and Higher
DVW-709WS (SY) : S/N 10106 and Higher
DVW-709WSP : S/N 40191 and Higher

DVW-790WS (J) : S/N 30006 and Higher
DVW-790WS (SY) : S/N 10091 and Higher
DVW-790WSP : S/N 40336 and Higher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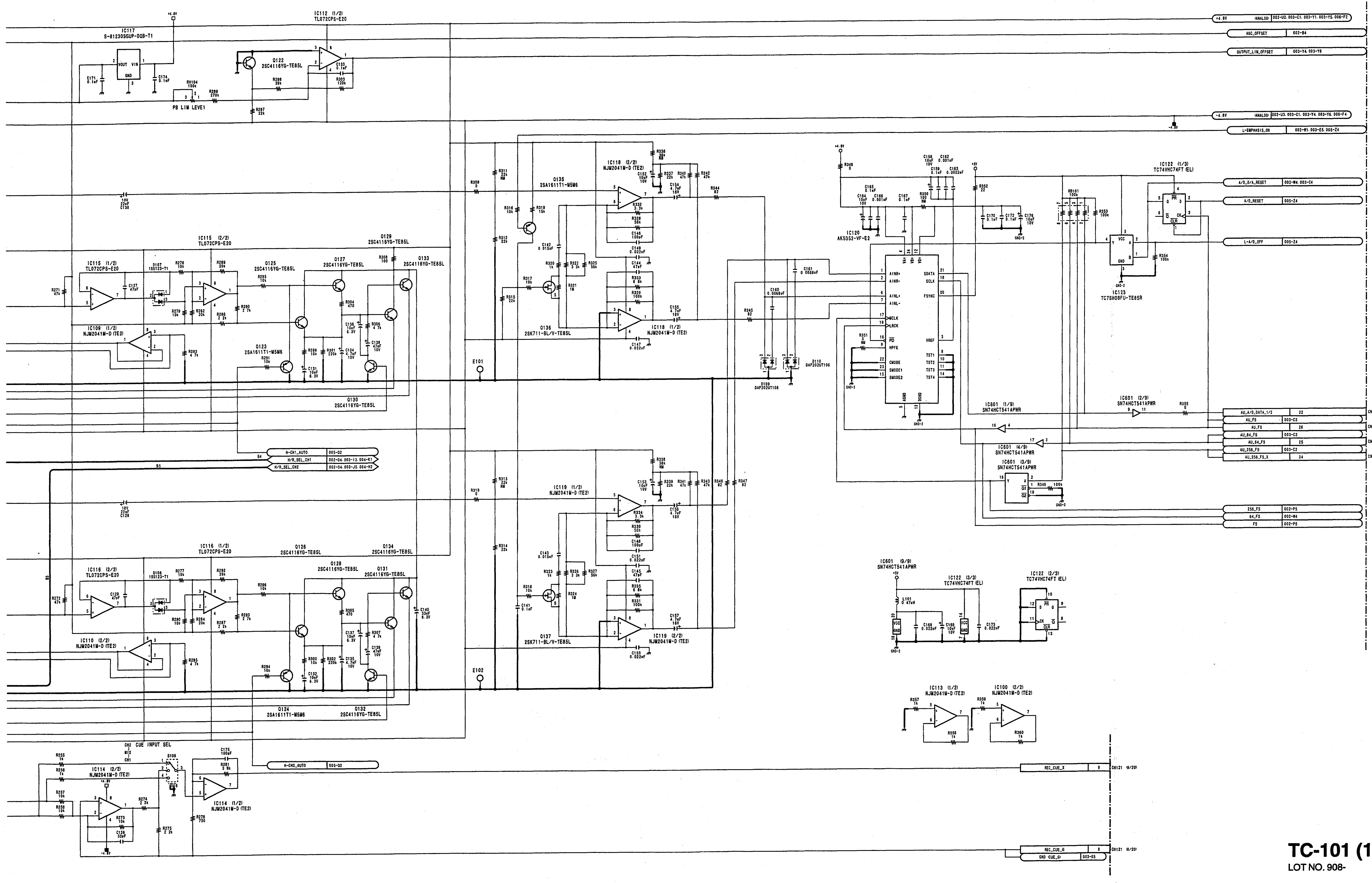
H
IC103 (1/2) NJM2041M-D (TE2)
IC103 (2/2) NJM2041M-D (TE2)
IC106 (2/2) NJM2041M-D (TE2)
IC101 (2/2) NJM2041M-D (TE2)
IC105 (1/2) NJM2041M-D (TE2)
IC106 (1/2) NJM2041M-D (TE2)
IC105 (2/2) NJM2041M-D (TE2)
IC102 (1/2) NJM2041M-D (TE2)
IC104 (2/2) NJM2041M-D (TE2)
IC104 (1/2) NJM2041M-D (TE2)
IC108 M5201FP-600D
IC107 M5201FP-600D
IC101 (1/2) NJM2041M-D (TE2)
IC102 (2/2) NJM2041M-D (TE2)
IC109 (2/2) NJM2041M-D (TE2)
IC110 (1/2) NJM2041M-D (TE2)
IC113 (2/2) NJM2041M-D (TE2)
IC100 (1/2) NJM2041M-D (TE2)
IC112 (2/2) TL072CPS-E20
IC111 TC74HC4053AFT (EL)
Q117 2SC4116YG-TE85L
Q106 2SA1611T1-M5M6
Q105 2SA1611T1-M5M6
Q104 DTC144EUA-T106
Q103 DTC144EUA-T106
Q107 2SK208-GR-TE85L
Q108 2SJ106Y-TE85L
Q109 2SK208-GR-TE85L
Q110 2SJ106Y-TE85L
Q111 2SK208-GR-TE85L
Q112 2SJ106Y-TE85L
Q113 2SK208-GR-TE85L
Q114 2SJ106Y-TE85L
Q101 XN4601-TW
Q140 XN4601-TW
Q102 XN4601-TW
Q141 XN4601-TW
Q115 2SC4207-YGRTE85L
Q116 2SC4207-YGRTE85L
Q118 XN4601-TW
Q119 XN4601-TW
Q120 XN4601-TW
Q121 XN4601-TW
CN121
CN122
CAM_MIC_X
CAM_MIC_Y
CAM_MIC_G
CAM_MIC_AGC_X
CAM_MIC_AGC_Y
FRONT_MIC_CONT
CH1_MIC/LINE_X
CH1_MIC/LINE_Y
CH2_MIC/LINE_X
CH2_MIC/LINE_Y
INPUT_LEVEL-3_CH1
INPUT_LEVEL0/-1_CH1
INPUT_LEVEL0/-1_CH2
INPUT_LEVEL-3_CH2
GND
CH1_TO_CH3
CH2_TO_CH4
FRONT_TO_CH3/4
+18V (SWITCH)
-18V (SWITCH)
CH_SEL_1
CH_SEL_2
LOOP_CH1_CUE
LOOP_CH2_CUE
L-LOOP_AU_PS
S101 CH1 FRONT MIC VR ON/OFF
S103 FRONT/REAR SEL
S102 FRONT/REAR SEL
S104 CH1 AGC ON/OFF
S105 CH1 LIM
CH2 AGC ON/OFF
CH2 LIM
INPUT AGC LEVEL RV103
TP102
TP101
RV101
RV102
SL101

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2


IC117 S-81235SGUP-DQB-T1
IC112 (1/2) TL072CPS-E20
Q122 2SC4116YG-TE85L
PB LIM LEVEL
IC118 (2/2) NJM2041M-D (TE2)
Q135 2SA1611T1-M5M6
IC115 (2/2) TL072CPS-E20
IC115 (1/2) TL072CPS-E20
IC109 (1/2) NJM2041M-D (TE2)
Q125 2SC4116YG-TE85L
Q127 2SC4116YG-TE85L
Q129 2SC4116YG-TE85L
Q133 2SC4116YG-TE85L
Q123 2SA1611T1-M5M6
Q130 2SC4116YG-TE85L
Q136 2SK711-BL/V-TE85L
IC118 (1/2) NJM2041M-D (TE2)
E101
D109 DAP202UT106
D110 DAP202UT106
IC120 AK5352-VF-E2
IC122 (1/3) TC74VHC74FT (EL)
IC123 TC7SH08FU-TE85R
IC601 (1/9) SN74HCT541APWR
IC601 (2/9) SN74HCT541APWR
IC601 (4/9) SN74HCT541APWR
IC601 (3/9) SN74HCT541APWR
A/D_D/A_RESET
A/D_RESET
L-A/D_OFF
AGC_OFFSET
OUTPUT_LIM_OFFSET
L-EMPHASIS_ON
AU_A/D_DATA_1/2
AU_FS
AU_64_FS
AU_256_FS
AU_256_FS_X
256_FS
64_FS
FS
CN123
H-CH1_AUTO
H/R_SEL_CH1
H/R_SEL_CH2
IC119 (1/2) NJM2041M-D (TE2)
IC119 (2/2) NJM2041M-D (TE2)
Q137 2SK711-BL/V-TE85L
IC116 (1/2) TL072CPS-E20
IC116 (2/2) TL072CPS-E20
IC110 (2/2) NJM2041M-D (TE2)
Q126 2SC4116YG-TE85L
Q128 2SC4116YG-TE85L
Q131 2SC4116YG-TE85L
Q134 2SC4116YG-TE85L
Q124 2SA1611T1-M5M6
Q132 2SC4116YG-TE85L
E102
IC601 (9/9) SN74HCT541APWR
IC122 (3/3) TC74VHC74FT (EL)
IC122 (2/3) TC74VHC74FT (EL)
IC113 (1/2) NJM2041M-D (TE2)
IC100 (2/2) NJM2041M-D (TE2)
CH2 CUE INPUT SEL
IC114 (2/2) NJM2041M-D (TE2)
IC114 (1/2) NJM2041M-D (TE2)
S108
H-CH2_AUTO
REC_CUE_X
REC_CUE_G
GND (CUE_G)
CN121
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TC-101 (1/6)

LOT NO. 908-

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

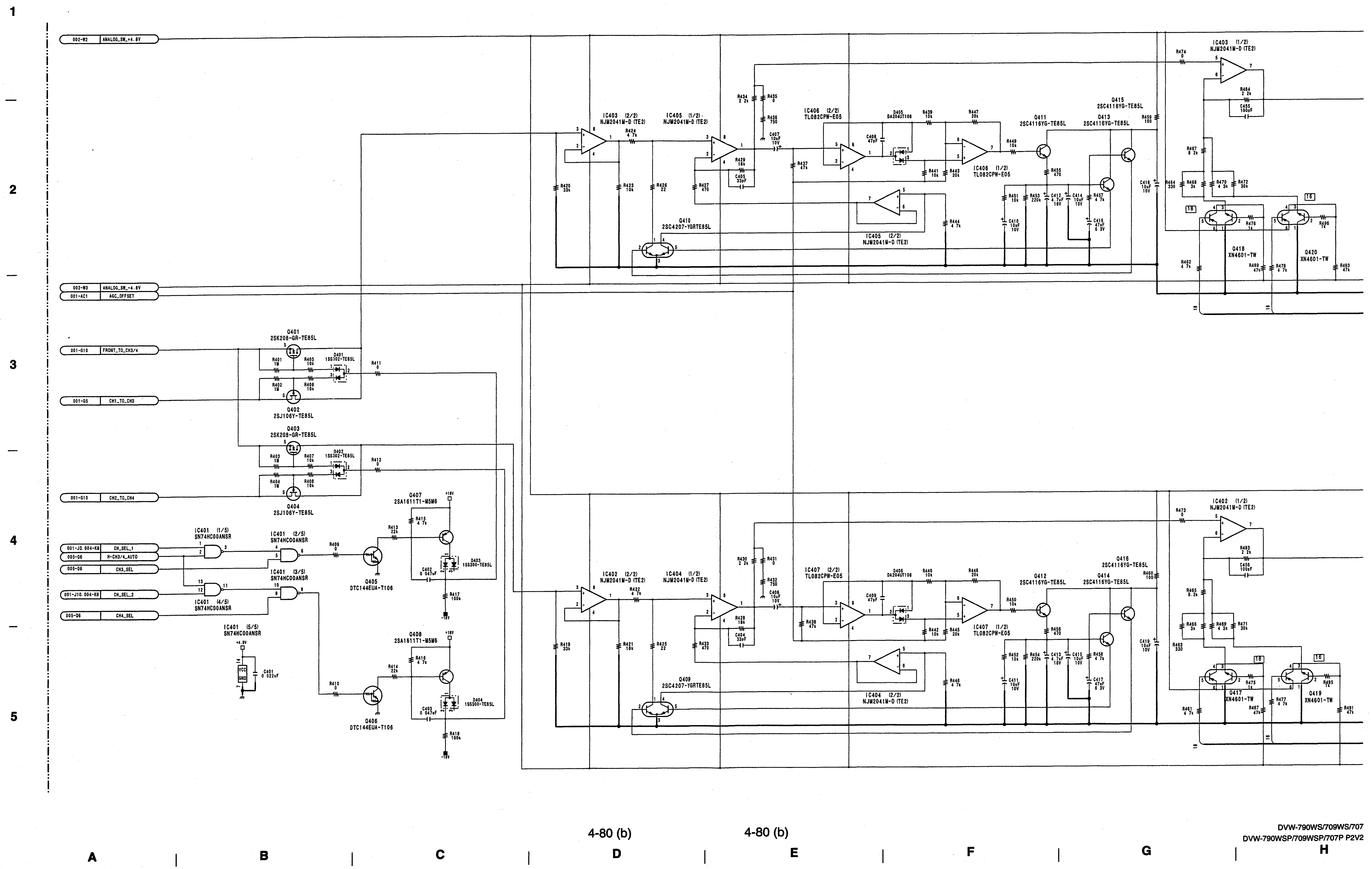
I | J | K | L | M | N | O | P

-SP1386 / DRUCK 95

DVW-707 (J) : S/N 30011 and Higher
DVW-707 (SY) : S/N 10056 and Higher
DVW-707P : S/N 40121 and Higher

DVW-709WS (J) : S/N 30006 and Higher
DVW-709WS (SY) : S/N 10106 and Higher
DVW-709WSP : S/N 40191 and Higher

DVW-790WS (J) : S/N 30006 and Higher
DVW-790WS (SY) : S/N 10091 and Higher
DVW-790WSP : S/N 40336 and Higher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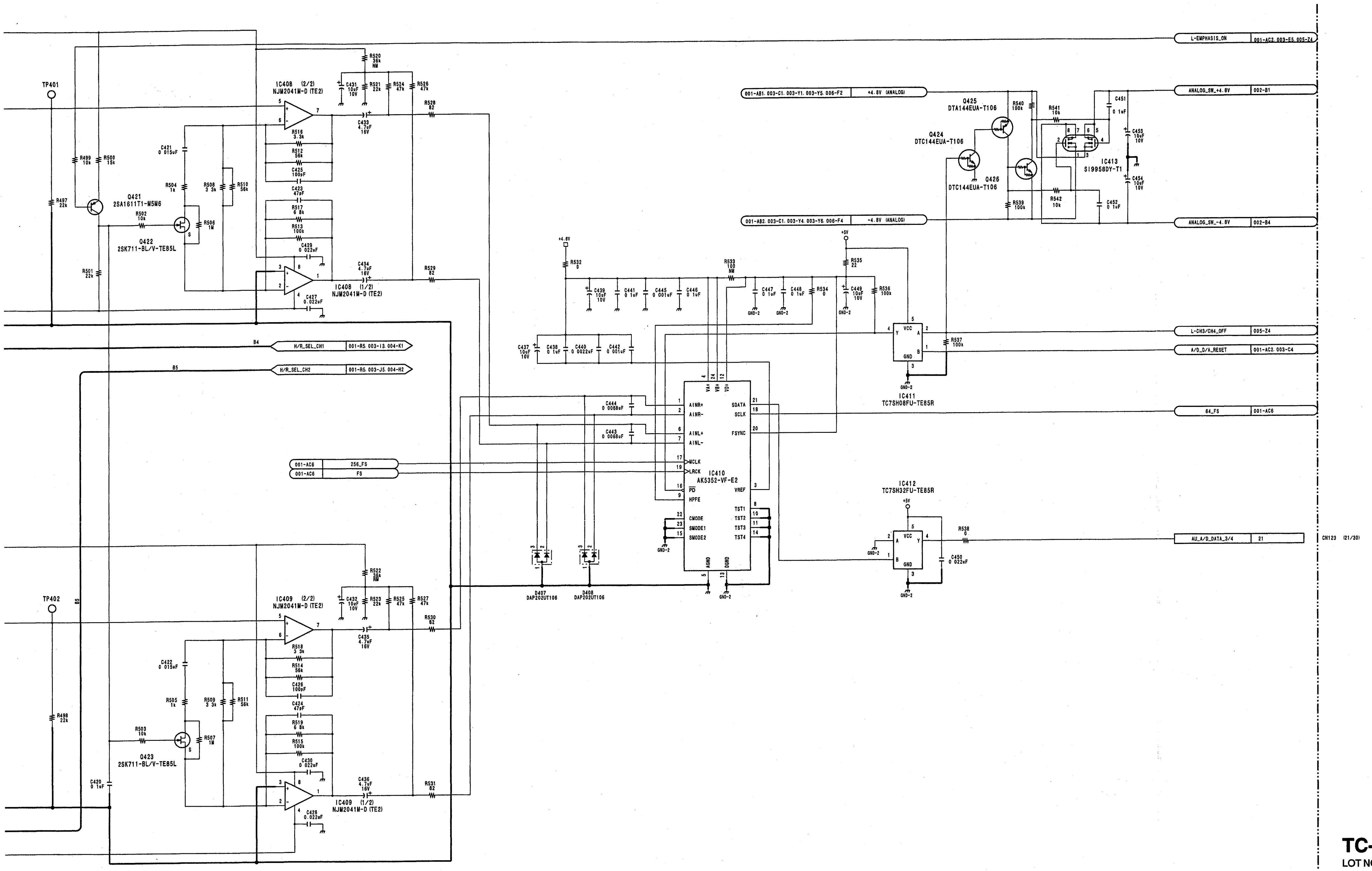
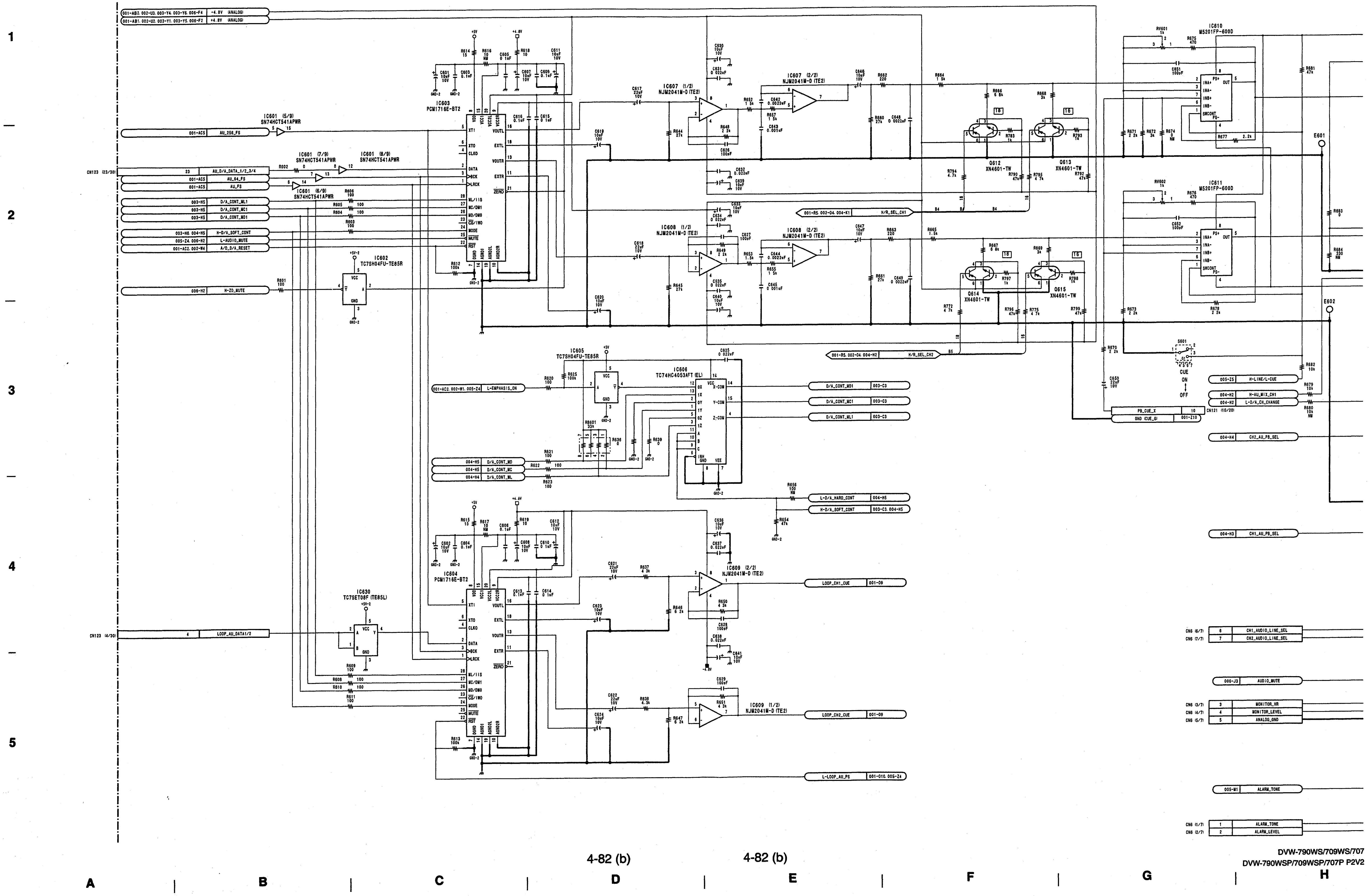
H
002-W2 ANALOG_SW_+4.8V
002-W3 ANALOG_SW_-4.8V
001-AC1 AGC_OFFSET
001-G10 FRONT_TO_CH3/4
001-G5 CH1_TO_CH3
001-G10 CH2_TO_CH4
001-J3, 004-K8 CH_SEL_1
005-D6 H-CH3/4_AUTO
005-D6 CH3_SEL
001-J10, 004-K8 CH_SEL_2
005-D6 CH4_SEL
Q401 2SK208-GR-TE85L
Q402 2SJ106Y-TE85L
Q403 2SK208-GR-TE85L
Q404 2SJ106Y-TE85L
D401 1SS302-TE85L
D402 1SS302-TE85L
IC401 (1/5) SN74HC00ANSR
IC401 (2/5) SN74HC00ANSR
IC401 (3/5) SN74HC00ANSR
IC401 (4/5) SN74HC00ANSR
IC401 (5/5) SN74HC00ANSR
Q405 DTC144EUA-T106
Q406 DTC144EUA-T106
Q407 2SA1611T1-M5M6
Q408 2SA1611T1-M5M6
D403 1SS300-TE85L
D404 1SS300-TE85L
IC403 (2/2) NJM2041M-D (TE2)
IC405 (1/2) NJM2041M-D (TE2)
IC405 (2/2) NJM2041M-D (TE2)
IC406 (2/2) TL082CPW-E05
IC406 (1/2) TL082CPW-E05
D405 DA204UT106
Q410 2SC4207-YGRTE85L
Q411 2SC4116YG-TE85L
Q413 2SC4116YG-TE85L
Q415 2SC4116YG-TE85L
IC403 (1/2) NJM2041M-D (TE2)
Q418 XN4601-TW
Q420 XN4601-TW
IC402 (2/2) NJM2041M-D (TE2)
IC404 (1/2) NJM2041M-D (TE2)
IC404 (2/2) NJM2041M-D (TE2)
IC407 (2/2) TL082CPW-E05
IC407 (1/2) TL082CPW-E05
D406 DA204UT106
Q409 2SC4207-YGRTE85L
Q412 2SC4116YG-TE85L
Q414 2SC4116YG-TE85L
Q416 2SC4116YG-TE85L
IC402 (1/2) NJM2041M-D (TE2)
Q417 XN4601-TW
Q419 XN4601-TW
+18V
-18V
+4.8V


TP401
TP402
Q421
2SA1611T1-M5M6
Q422
2SK711-BL/V-TE85L
Q423
2SK711-BL/V-TE85L
IC406 (2/2)
NJM2041M-D (TE2)
IC408 (1/2)
NJM2041M-D (TE2)
IC409 (2/2)
NJM2041M-D (TE2)
IC409 (1/2)
NJM2041M-D (TE2)
H/R_SEL_CH1
001-R5. 003-13. 004-K1
H/R_SEL_CH2
001-R5. 003-J5. 004-H2
001-AC6
256_FS
001-AC6
FS
IC410
AK5352-VF-E2
AINR+
AINR-
AINL+
AINL-
MCLK
LRCK
PD
HPFE
CMODE
SMODE1
SMODE2
VA+
VB+
VD+
SDATA
SCLK
FSYNC
VREF
TST1
TST2
TST3
TST4
AGND
DGND
GND-2
D407
DAP202UT106
D408
DAP202UT106
+4.8V
+5V
001-AB1. 003-C1. 003-Y1. 003-Y5. 006-F2
+4.8V (ANALOG)
001-AB2. 003-C1. 003-Y4. 003-Y6. 006-F4
-4.8V (ANALOG)
Q425
DTA144EUA-T106
Q424
DTC144EUA-T106
Q426
DTC144EUA-T106
IC413
SI9958DY-T1
L-EMPHASIS_ON
001-AC2. 003-E5. 005-Z4
ANALOG_SW_+4.8V
002-B1
ANALOG_SW_-4.8V
002-B4
IC411
TC7SH08FU-TE85R
L-CH3/CH4_OFF
005-Z4
A/D_D/A_RESET
001-AC2. 003-C4
64_FS
001-AC6
IC412
TC7SH32FU-TE85R
AU_A/D_DATA_3/4
21
CN123 (21/30)

TC-101 (2/6)
LOT NO. 908-

TC-101 (3/6)

DVW-707 (J) :	**S/N 30011 and Higher**	**DVW-709WS (J) :**	**S/N 30006 and Higher**	**DVW-790WS (J) :**	**S/N 30006 and Higher**
DVW-707 (SY) :	**S/N 10056 and Higher**	**DVW-709WS (SY) :**	**S/N 10106 and Higher**	**DVW-790WS (SY) :**	**S/N 10091 and Higher**
DVW-707P :	**S/N 40121 and Higher**	**DVW-709WSP :**	**S/N 40191 and Higher**	**DVW-790WSP :**	**S/N 40336 and Higher**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C
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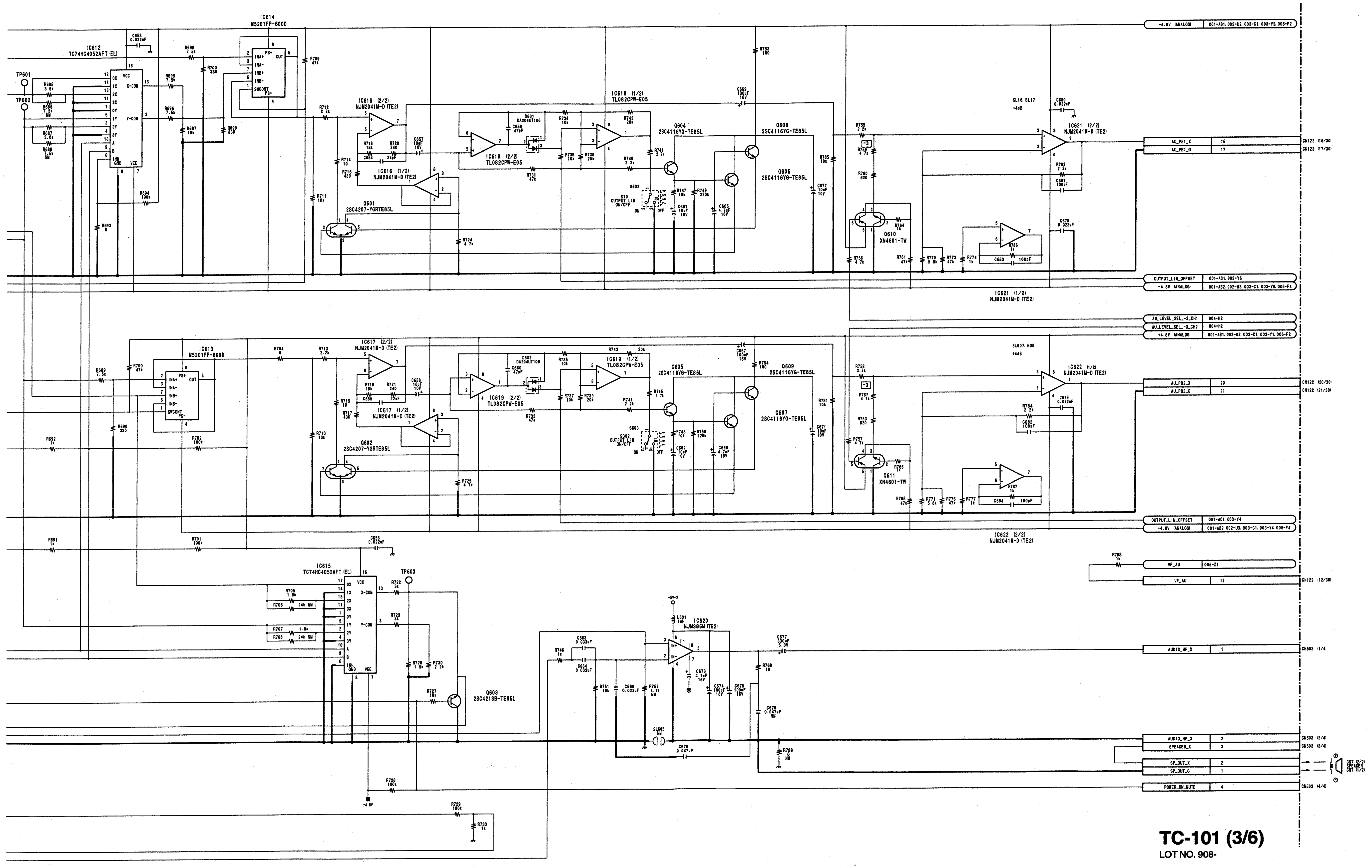
F
G
H
IC601 (5/9) SN74HCT541APWR
IC601 (7/9) SN74HCT541APWR
IC601 (8/9) SN74HCT541APWR
IC601 (6/9) SN74HCT541APWR
IC602 TC7SH04FU-TE85R
IC603 PCM1716E-BT2
IC604 PCM1716E-BT2
IC605 TC7SH04FU-TE85R
IC606 TC74HC4053AFT (EL)
IC607 (1/2) NJM2041M-D (TE2)
IC607 (2/2) NJM2041M-D (TE2)
IC608 (1/2) NJM2041M-D (TE2)
IC608 (2/2) NJM2041M-D (TE2)
IC609 (2/2) NJM2041M-D (TE2)
IC609 (1/2) NJM2041M-D (TE2)
IC610 M5201FP-600D
IC611 M5201FP-600D
IC630 TC7SET08F (TE85L)
Q612 XN4601-TW
Q613 XN4601-TW
Q614 XN4601-TW
Q615 XN4601-TW
S601
CUE
ON
OFF
E601
E602
CN123 (23/30)
CN123 (4/30)
CN121 (10/20)
-4.8V (ANALOG)
+4.8V (ANALOG)
AU_256_FS
AU_D/A_DATA_1/2_3/4
AU_64_FS
AU_FS
D/A_CONT_ML1
D/A_CONT_MC1
D/A_CONT_MD1
H-D/A_SOFT_CONT
L-AUDIO_MUTE
A/D_D/A_RESET
H-ZO_MUTE
L-EMPHASIS_ON
D/A_CONT_MD
D/A_CONT_MC
D/A_CONT_ML
L-D/A_HARD_CONT
H-R_SEL_CH1
H/R_SEL_CH2
LOOP_AU_DATA1/2
LOOP_CH1_CUE
LOOP_CH2_CUE
L-LOOP_AU_FS
H-LINE/L-CUE
H-AU_MIX_CH1
L-D/A_CH_CHANGE
PB_CUE_X
GND (CUE_G)
CH2_AU_PB_SEL
CH1_AU_PB_SEL
CH1_AUDIO_LINE_SEL
CH2_AUDIO_LINE_SEL
AUDIO_MUTE
MONITOR_VR
MONITOR_LEVEL
ANALOG_GND
ALARM_TONE
ALARM_LEVEL

4-82 (b)



1
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5
IC612
TC74HC4052AFT (EL)
IC614
M5201FP-600D
TP601
TP602
IC616 (2/2)
NJM2041M-D (TE2)
IC616 (1/2)
NJM2041M-D (TE2)
Q601
2SC4207-YGRTE85L
IC618 (2/2)
TL082CPW-E05
IC618 (1/2)
TL082CPW-E05
D601
DA204UT106
Q604
2SC4116YG-TE85L
Q608
2SC4116YG-TE85L
Q606
2SC4116YG-TE85L
S602
OUTPUT_LIM ON/OFF
S10
ON
OFF
SL16, SL17
+4dB
IC621 (2/2)
NJM2041M-D (TE2)
IC621 (1/2)
NJM2041M-D (TE2)
Q610
XN4601-TW
+4.8V (ANALOG)
001-AB1, 002-U2, 003-C1, 003-Y5, 006-F2
AU_PB1_X
16
CN122 (16/30)
AU_PB1_G
17
CN122 (17/30)
OUTPUT_LIM_OFFSET
001-AC1, 003-Y6
-4.8V (ANALOG)
001-AB2, 002-U3, 003-C1, 003-Y6, 006-F4
AU_LEVEL_SEL_-3_CH1
004-H2
AU_LEVEL_SEL_-3_CH2
004-H2
+4.8V (ANALOG)
001-AB1, 002-U2, 003-C1, 003-Y1, 006-F2
IC613
M5201FP-600D
IC617 (2/2)
NJM2041M-D (TE2)
IC617 (1/2)
NJM2041M-D (TE2)
Q602
2SC4207-YGRTE85L
IC619 (2/2)
TL082CPW-E05
IC619 (1/2)
TL082CPW-E05
D602
DA204UT106
Q605
2SC4116YG-TE85L
Q609
2SC4116YG-TE85L
Q607
2SC4116YG-TE85L
S603
S302
OUTPUT_LIM ON/OFF
SL607, 608
+4dB
IC622 (1/2)
NJM2041M-D (TE2)
IC622 (2/2)
NJM2041M-D (TE2)
Q611
XN4601-TW
AU_PB2_X
20
CN122 (20/30)
AU_PB2_G
21
CN122 (21/30)
OUTPUT_LIM_OFFSET
001-AC1, 003-Y4
-4.8V (ANALOG)
001-AB2, 002-U3, 003-C1, 003-Y4, 006-F4
IC615
TC74HC4052AFT (EL)
TP603
Q603
2SC4213B-TE85L
+5V-3
L601
IC620
NJM386M (TE2)
SL605
R788
1k
VF_AU
005-Z1
VF_AU
12
CN122 (12/30)
AUDIO_HP_X
1
CN503 (1/4)
AUDIO_HP_G
2
CN503 (2/4)
SPEAKER_X
3
CN503 (3/4)
SP_OUT_X
2
SP_OUT_G
1
CN7 (2/2)
SPEAKER
CN7 (1/2)
POWER_ON_MUTE
4
CN503 (4/4)
-4.8V

TC-101 (3/6)

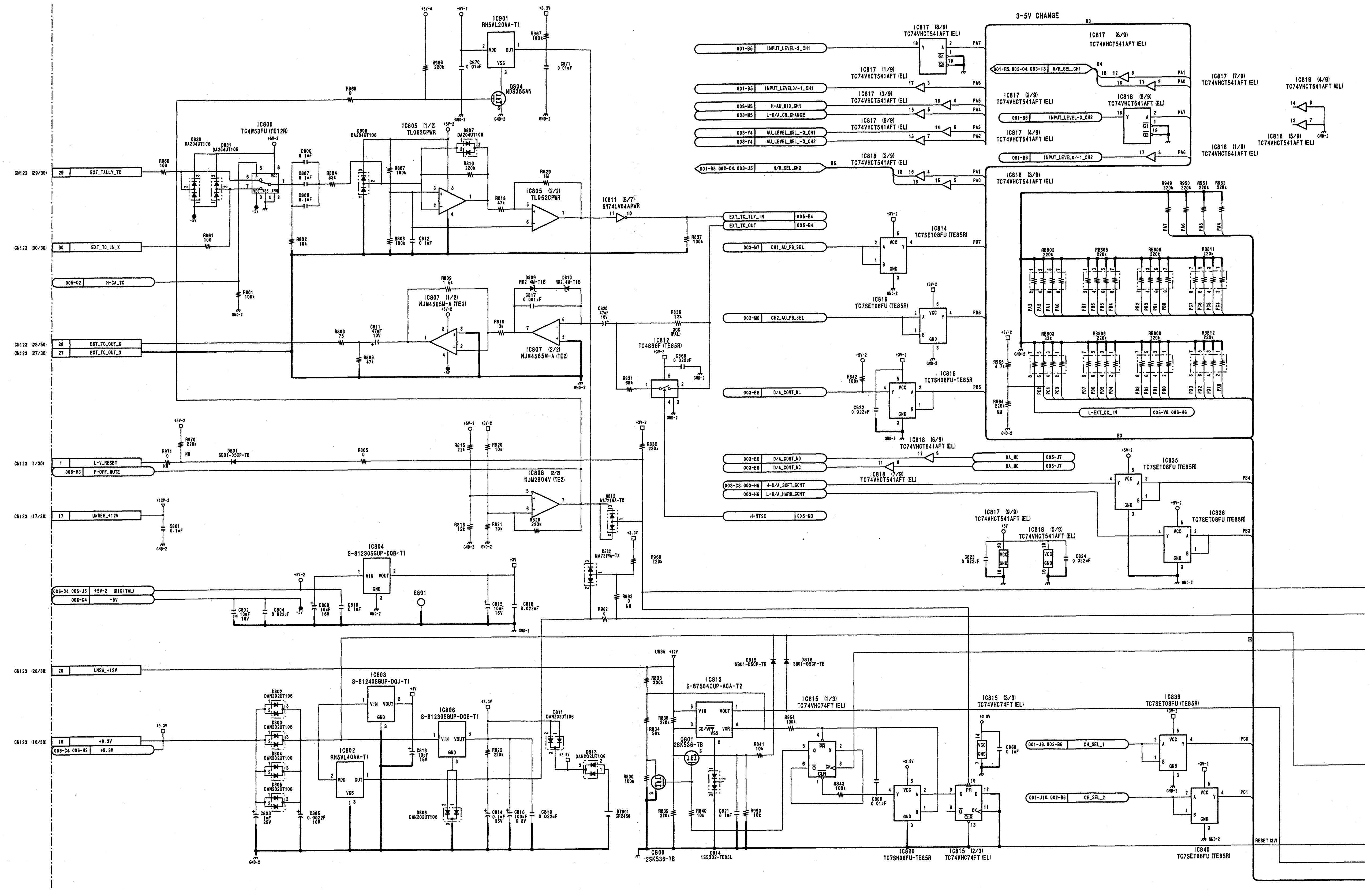
LOT NO. 908-

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

TC-101 (4/6)

TC-101 (4/6)

DVW-707 (J) :	S/N 30011 and Higher	DVW-709WS (J) :	S/N 30006 and Higher	DVW-790WS (J) :	S/N 30006 and Higher
DVW-707 (SY) :	S/N 10056 and Higher	DVW-709WS (SY) :	S/N 10106 and Higher	DVW-790WS (SY) :	S/N 10091 and Higher
DVW-707P :	S/N 40121 and Higher	DVW-709WSP :	S/N 40191 and Higher	DVW-790WSP :	S/N 40336 and Higher



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G
H
3-5V CHANGE
IC901 RH5VL20AA-T1
Q804 NDS355AN
IC800 TC4W53FU (TE12R)
IC805 (1/2) TL062CPWR
IC805 (2/2) TL062CPWR
IC811 (5/7) SN74LV04APWR
IC807 (1/2) NJM4565M-A (TE2)
IC807 (2/2) NJM4565M-A (TE2)
IC812 TC4S66F (TE85R)
IC808 (2/2) NJM2904V (TE2)
IC804 S-81230SGUP-DQB-T1
E801
IC803 S-81240SGUP-DQJ-T1
IC806 S-81230SGUP-DQB-T1
IC802 RH5VL40AA-T1
IC813 S-87504CUP-ACA-T2
Q801 2SK536-TB
Q800 2SK536-TB
D814 1SS302-TE85L
BT801 CR2450
IC815 (1/3) TC74VHC74FT (EL)
IC815 (2/3) TC74VHC74FT (EL)
IC815 (3/3) TC74VHC74FT (EL)
IC820 TC7SH08FU-TE85R
IC839 TC7SET08FU (TE85R)
IC840 TC7SET08FU (TE85R)
IC817 (8/9) TC74VHCT541AFT (EL)
IC817 (1/9) TC74VHCT541AFT (EL)
IC817 (3/9) TC74VHCT541AFT (EL)
IC817 (5/9) TC74VHCT541AFT (EL)
IC818 (2/9) TC74VHCT541AFT (EL)
IC817 (6/9) TC74VHCT541AFT (EL)
IC817 (7/9) TC74VHCT541AFT (EL)
IC818 (4/9) TC74VHCT541AFT (EL)
IC818 (5/9) TC74VHCT541AFT (EL)
IC818 (1/9) TC74VHCT541AFT (EL)
IC818 (8/9) TC74VHCT541AFT (EL)
IC817 (2/9) TC74VHCT541AFT (EL)
IC817 (4/9) TC74VHCT541AFT (EL)
IC818 (3/9) TC74VHCT541AFT (EL)
IC814 TC7SET08FU (TE85R)
IC819 TC7SET08FU (TE85R)
IC816 TC7SH08FU-TE85R
IC818 (6/9) TC74VHCT541AFT (EL)
IC818 (7/9) TC74VHCT541AFT (EL)
IC835 TC7SET08FU (TE85R)
IC836 TC7SET08FU (TE85R)
IC817 (9/9) TC74VHCT541AFT (EL)
IC818 (9/9) TC74VHCT541AFT (EL)
CN123 (29/30) EXT_TALLY_TC
CN123 (30/30) EXT_TC_IN_X
H-CA_TC
CN123 (28/30) EXT_TC_OUT_X
CN123 (27/30) EXT_TC_OUT_G
CN123 (1/30) L-V_RESET
P-OFF_MUTE
CN123 (17/30) UNREG_+12V
+5V-2 (DIGITAL)
-5V
CN123 (20/30) UNSW_+12V
CN123 (16/30) +9.3V
INPUT_LEVEL-3_CH1
INPUT_LEVEL0/-1_CH1
H-AU_MIX_CH1
L-D/A_CH_CHANGE
AU_LEVEL_SEL_-3_CH1
AU_LEVEL_SEL_-3_CH2
H/R_SEL_CH2
H/R_SEL_CH1
INPUT_LEVEL-3_CH2
INPUT_LEVEL0/-1_CH2
EXT_TC_TLY_IN
EXT_TC_OUT
CH1_AU_PB_SEL
CH2_AU_PB_SEL
D/A_CONT_ML
L-EXT_DC_IN
D/A_CONT_MD
D/A_CONT_MC
DA_MD
DA_MC
H-D/A_SOFT_CONT
H-D/A_HARD_CONT
H-NTSC
CH_SEL_1
CH_SEL_2
RESET (3V)

4-84 (b)

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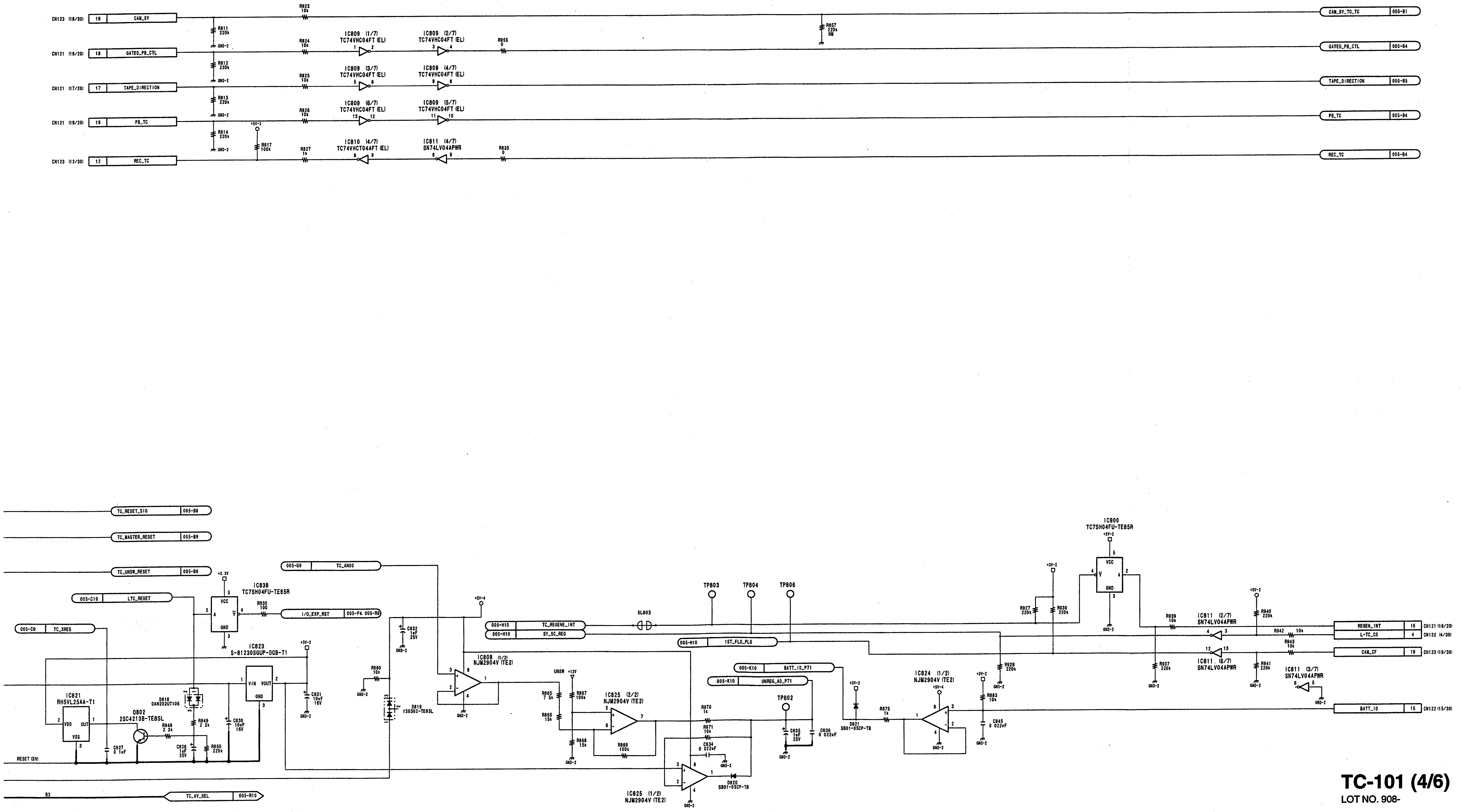

CN123 (18/30)
18
CAM_SY
R823
10k
R811
220k
GND-2
CN121 (18/20)
18
GATED_PB_CTL
R824
10k
IC809 (1/7)
TC74VHC04FT (EL)
IC809 (2/7)
TC74VHC04FT (EL)
R955
0
R812
220k
CN121 (17/20)
17
TAPE_DIRECTION
R825
10k
IC809 (3/7)
TC74VHC04FT (EL)
IC809 (4/7)
TC74VHC04FT (EL)
R813
220k
CN121 (19/20)
19
PB_TC
R826
10k
IC809 (6/7)
TC74VHC04FT (EL)
IC809 (5/7)
TC74VHC04FT (EL)
R814
220k
+5V-2
R817
100k
CN123 (12/30)
12
REC_TC
R827
1k
IC810 (4/7)
TC74VHCT04AFT (EL)
IC811 (4/7)
SN74LV04APWR
R835
0
R957
220k
NM
CAM_SY_TO_TC
005-B1
GATED_PB_CTL
005-B4
TAPE_DIRECTION
005-B5
PB_TC
005-B4
REC_TC
005-B4
TC_RESET_SIG
005-B8
TC_MASTER_RESET
005-B9
TC_UNSW_RESET
005-B9
005-G9
TC_AN00
+3.3V
IC838
TC7SH04FU-TE85R
VCC
GND
005-C10
LTC_RESET
R830
100
I/O_EXP_RST
005-P4, 005-R9
005-C9
TC_XRES
IC823
S-81230SGUP-DQB-T1
+3V-2
VIN
VOUT
IC821
RH5VL25AA-T1
VDD
OUT
VSS
D818
DAN202UT106
Q802
2SC4213B-TE85L
R848
2.2k
R849
2.2k
C827
0.1uF
C828
1uF
25V
R850
220k
C830
10uF
16V
C831
10uF
16V
RESET (3V)
B3
TC_AV_SEL
005-R10
+5V-4
C832
1uF
25V
R860
10k
D819
1SS302-TE85L
IC808 (1/2)
NJM2904V (TE2)
005-H10
TC_REGENE_INT
005-H10
SY_SC_REQ
SL803
TP803
TP804
TP806
005-H10
1ST_FLD_PLS
UNSW
+12V
R865
7.5k
R866
15k
R867
100k
R868
15k
IC825 (2/2)
NJM2904V (TE2)
R869
100k
R870
1k
R871
10k
C834
0.022uF
IC825 (1/2)
NJM2904V (TE2)
D820
SB01-05CP-TB
005-K10
BATT_ID_P71
005-K10
UNREG_AD_P71
TP802
C835
1uF
25V
C836
0.022uF
D821
SB01-05CP-TB
R875
1k
IC824 (1/2)
NJM2904V (TE2)
R883
10k
C845
0.022uF
R927
220k
R930
220k
R928
220k
IC900
TC7SH04FU-TE85R
R939
10k
IC811 (2/7)
SN74LV04APWR
R940
220k
R942
10k
R943
10k
R937
220k
IC811 (6/7)
SN74LV04APWR
R941
220k
IC811 (3/7)
SN74LV04APWR
REGEN_INT
16
CN121 (16/20)
L-TC_CS
4
CN122 (4/30)
CAM_CF
19
CN123 (19/30)
BATT_ID
15
CN122 (15/30)

TC-101 (4/6)
LOT NO. 908-

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

I J K L M N O P

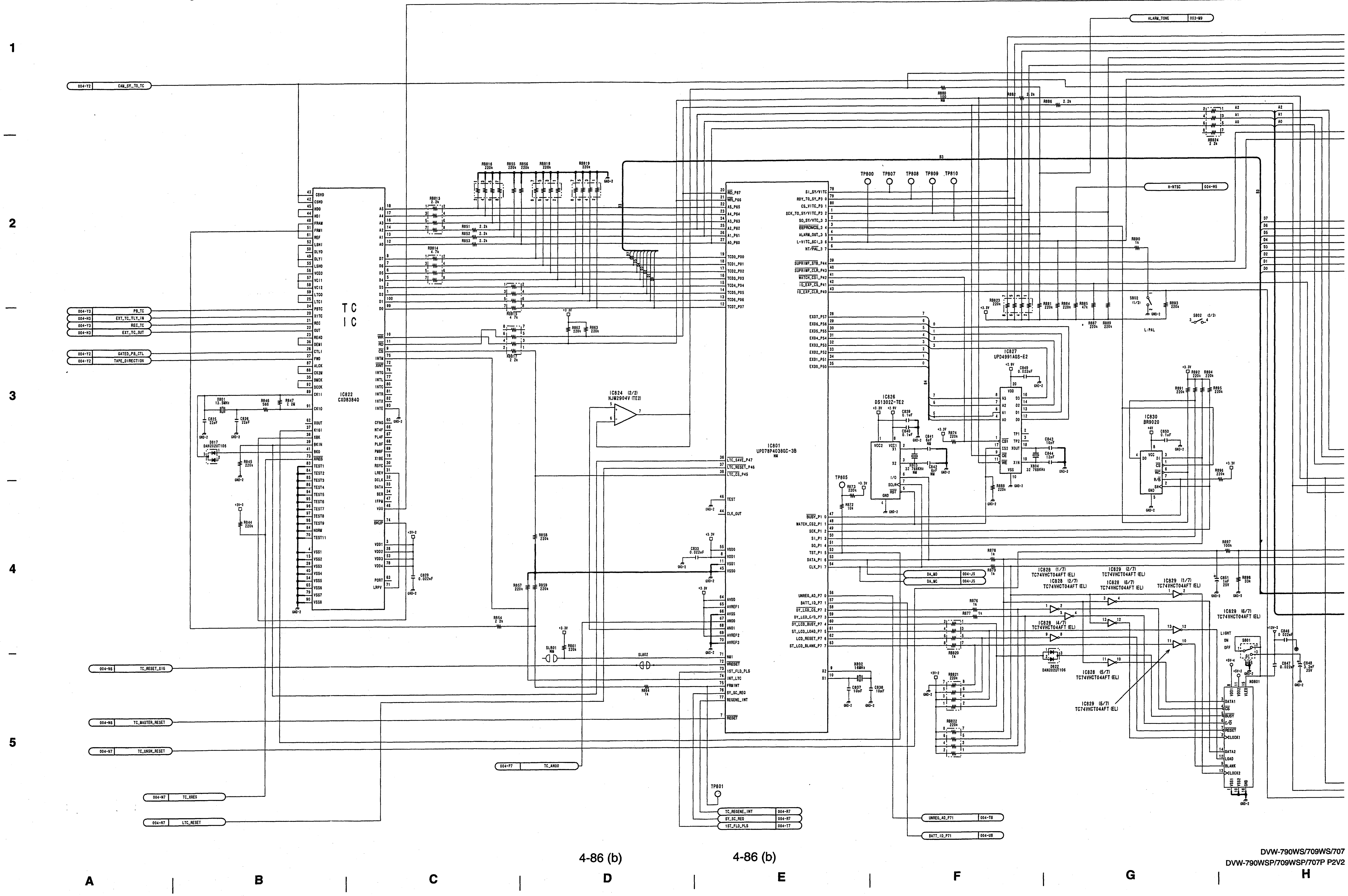
TC-101 (5/6)

TC-101 (5/6)

DVW-707 (J) : S/N 30011 and Higher
DVW-707 (SY) : S/N 10056 and Higher
DVW-707P : S/N 40121 and Higher

DVW-709WS (J) : S/N 30006 and Higher
DVW-709WS (SY) : S/N 10106 and Higher
DVW-709WSP : S/N 40191 and Higher

DVW-790WS (J) : S/N 30006 and Higher
DVW-790WS (SY) : S/N 10091 and Higher
DVW-790WSP : S/N 40336 and Higher


1
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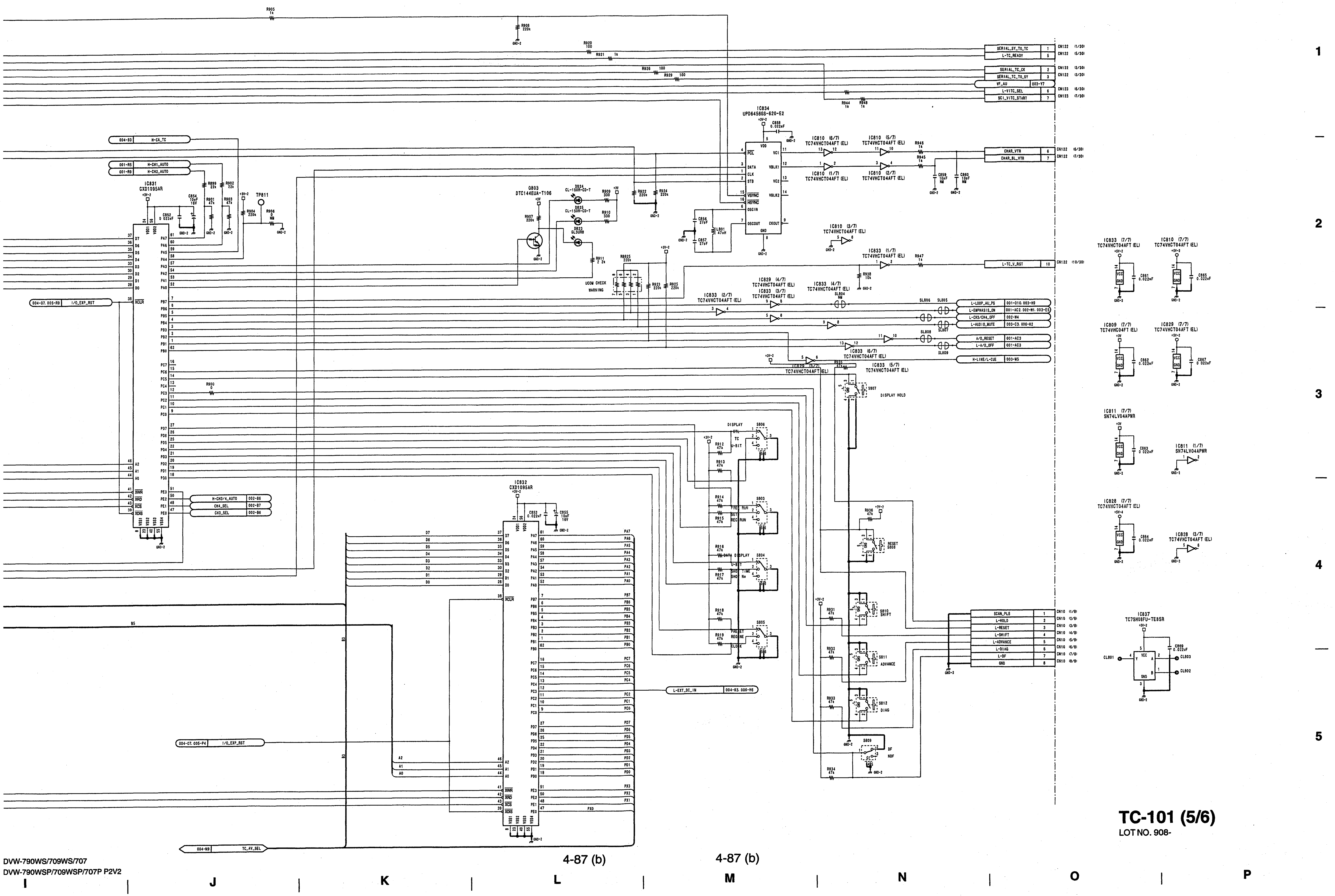
A
B
C
D
E
F
G
H
CAM_SY_TO_TC
PB_TC
EXT_TC_TLY_IN
REC_TC
EXT_TC_OUT
GATED_PB_CTL
TAPE_DIRECTION
TC IC
IC822
CXD8384Q
IC801
UPD78P4038GC-3B
IC824 (2/2)
NJM2904V (TE2)
IC826
DS1302Z-TE2
IC827
UPD4991AGS-E2
IC830
BR9020
IC828 (1/7) TC74VHCT04AFT (EL)
IC829 (2/7) TC74VHCT04AFT (EL)
IC829 (1/7) TC74VHCT04AFT (EL)
IC829 (5/7) TC74VHCT04AFT (EL)
IC829 (6/7) TC74VHCT04AFT (EL)
IC828 (5/7) TC74VHCT04AFT (EL)
TP800
TP807
TP808
TP809
TP810
TP805
TP801
X801
X802 16MHz
X803 32.768KHz
X804 32.768KHz
D817 DAN202UT106
D822 DAN202UT106
SL801
SL802
S801
S802
ND801
ALARM_TONE
H-NTSC
L:PAL
LIGHT
ON
OFF
TC_RESET_SIG
TC_MASTER_RESET
TC_UNSW_RESET
TC_XRES
LTC_RESET
TC_ANDO
TC_REGENE_INT
SY_SC_REQ
1ST_FLD_PLS
UNREG_AD_P71
BATT_ID_P71
DA_MO
DA_MC

4-86 (b)

4-86 (b)

TC-101 (5/6)


IC831
CXD1095AR
IC832
CXD1095AR
IC834
UPD6456GS-620-E2
Q803
DTC144EUA-T106
TP811
IC810 (6/7) TC74VHCT04AFT (EL)
IC810 (5/7) TC74VHCT04AFT (EL)
IC810 (1/7) TC74VHCT04AFT (EL)
IC810 (2/7) TC74VHCT04AFT (EL)
IC810 (3/7) TC74VHCT04AFT (EL)
IC833 (1/7) TC74VHCT04AFT (EL)
IC833 (2/7) TC74VHCT04AFT (EL)
IC833 (3/7) TC74VHCT04AFT (EL)
IC833 (4/7) TC74VHCT04AFT (EL)
IC833 (5/7) TC74VHCT04AFT (EL)
IC833 (6/7) TC74VHCT04AFT (EL)
IC829 (4/7) TC74VHCT04AFT (EL)
IC829 (5/7) TC74VHCT04AFT (EL)
IC833 (7/7) TC74VHCT04AFT (EL)
IC810 (7/7) TC74VHCT04AFT (EL)
IC809 (7/7) TC74VHC04AFT (EL)
IC829 (7/7) TC74VHCT04AFT (EL)
IC811 (7/7) SN74LV04APWR
IC811 (1/7) SN74LV04APWR
IC828 (7/7) TC74VHCT04AFT (EL)
IC828 (3/7) TC74VHCT04AFT (EL)
IC837 TC7SH08FU-TE85R
UCOM CHECK WARNING
DISPLAY HOLD
DISPLAY
RESET
SHIFT
ADVANCE
DIAG
DF NDF
SERIAL_SY_TO_TC
L-TC_READY
SERIAL_TC_CK
SERIAL_TC_TO_SY
VF_AU
L-VITC_SEL
SCI_VITC_START
H-CA_TC
H-CH1_AUTO
H-CH2_AUTO
I/O_EXP_RST
CHAR_VTR
CHAR_BL_VTR
L-TC_V_RST
L-LOOP_AU_PS
L-EMPHASIS_ON
L-CH3/CH4_OFF
L-AUDIO_MUTE
A/D_RESET
L-A/D_OFF
H-LINE/L-CUE
H-CH3/4_AUTO
CH4_SEL
CH3_SEL
L-EXT_DC_IN
TC_AV_SEL
SCAN_PLS
L-HOLD
L-RESET
L-SHIFT
L-ADVANCE
L-DIAG
L-DF
GND
CN122
CN123
CN110
TC-101 (5/6)
LOT NO. 908-
1
2
3
4
5
I
J
K
L
M
N
O
P

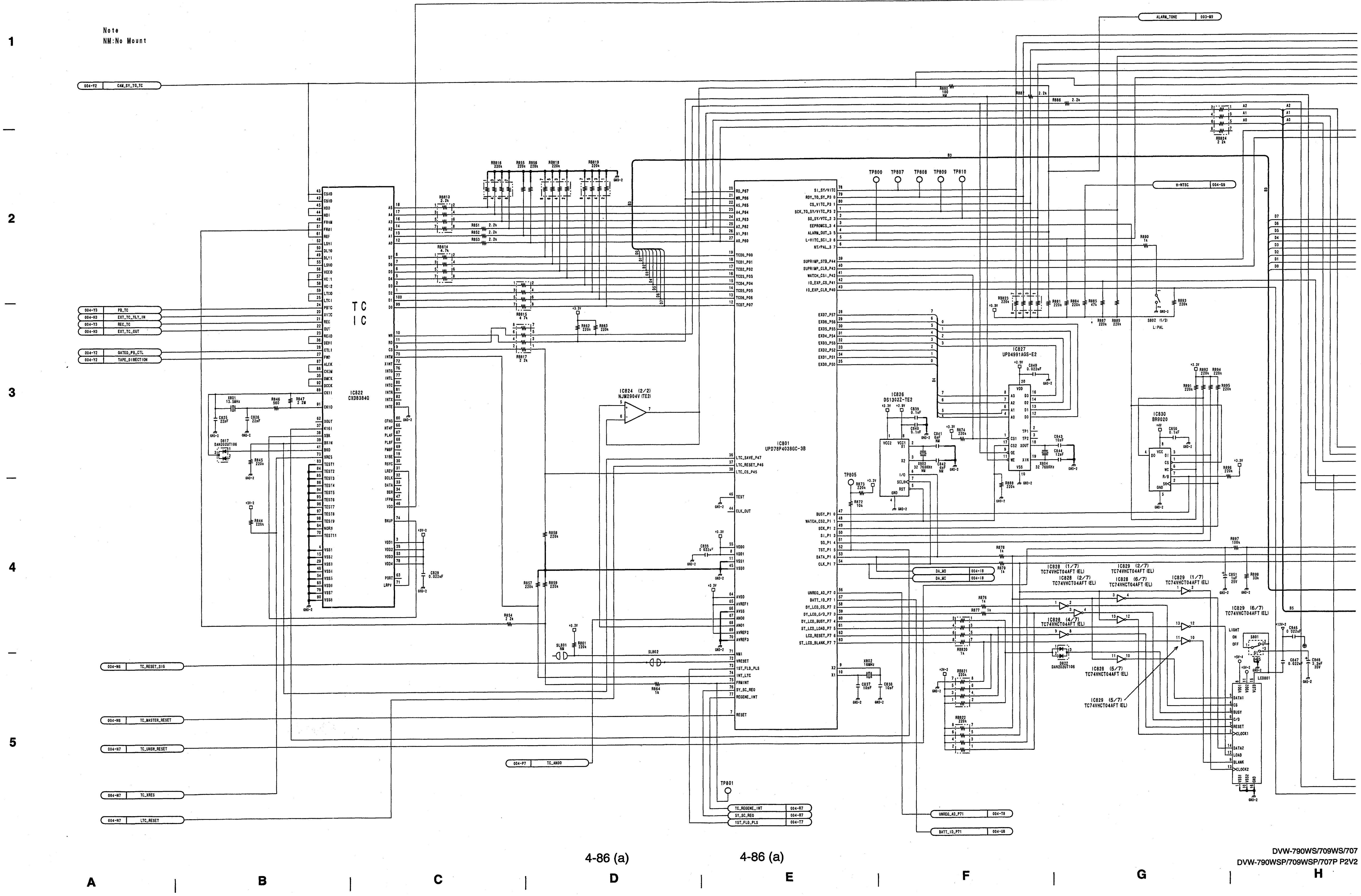
4-87 (b)

TC-101 (5/6)

DVW-707 (J) : S/N 30001 through 30010
DVW-707 (SY) : S/N 10001 through 10055
DVW-707P : S/N 40001 through 40120

DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10105
DVW-709WSP : S/N 40001 through 40190

DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10090
DVW-790WSP : S/N 40001 through 40335


1
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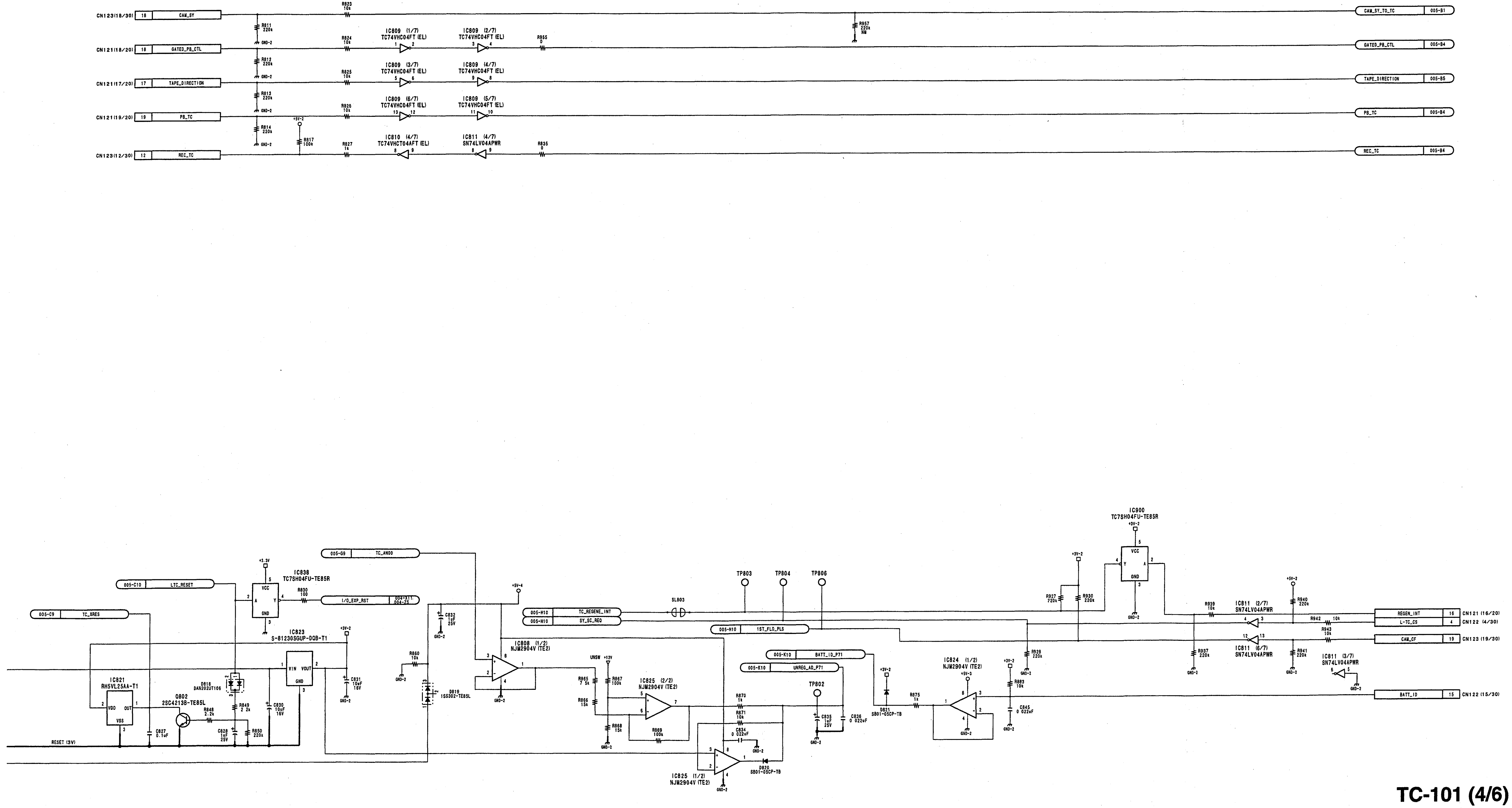
H
Note
NM:No Mount
CAM_SY_TO_TC
PB_TC
EXT_TC_TLY_IN
REC_TC
EXT_TC_OUT
GATED_PB_CTL
TAPE_DIRECTION
TC IC
IC822
CXD8384Q
IC801
UPD78P4038GC-3B
IC824 (2/2)
NJM2904V (TE2)
IC826
DS1302Z-TE2
IC827
UPD4991AGS-E2
IC830
BR9020
IC828 (1/7) TC74VHCT04AFT (EL)
IC829 (2/7) TC74VHCT04AFT (EL)
IC828 (2/7) TC74VHCT04AFT (EL)
IC828 (6/7) TC74VHCT04AFT (EL)
IC829 (1/7) TC74VHCT04AFT (EL)
IC828 (4/7) TC74VHCT04AFT (EL)
IC829 (6/7) TC74VHCT04AFT (EL)
IC828 (5/7) TC74VHCT04AFT (EL)
IC829 (5/7) TC74VHCT04AFT (EL)
LCD801
S801
LIGHT
ON
OFF
S802 (1/2)
L:PAL
ALARM_TONE
H-NTSC
TP800
TP807
TP808
TP809
TP810
TP805
TP801
X801 13.5MHz
X802 16MHz
X803 32.768KHz
X804 32.768KHz
SL801
SL802
D817 DAN202U T106
D822 DAN202U T106
TC_RESET_SIG
TC_MASTER_RESET
TC_UNSM_RESET
TC_XRES
LTC_RESET
TC_ANGD
TC_REGENE_INT
SY_SC_REQ
1ST_FLD_PLS
DA_MO
DA_MC
UNREG_AD_P71
BATT_ID_P71

4-86 (a)

TC-101 (4/6)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	IC806	10056 and higher (707 SY)
	S-81230SGUP-DQB-T1	30006 and higher (707 J/709WS J/790WS J)
	→ S-81233SGUP-DQF-T1	10086 and higher (709WS SY/790WS SY)
	D808 DAN202U → DELETED	40106 and higher (707P)
	R972 ADDED	40176and higher (709WSP)
		40266 and higher (790WSP)


CN123(18/30) 18 CAM_SY
CN121(18/20) 18 GATED_PB_CTL
CN121(17/20) 17 TAPE_DIRECTION
CN121(19/20) 19 PB_TC
CN123(12/30) 12 REC_TC
R811 220k
R812 220k
R813 220k
R814 220k
GND-2
+5V-2
R817 100k
R823 10k
R824 10k
R825 10k
R826 10k
R827 1k
IC809 (1/7) TC74VHC04FT (EL)
IC809 (2/7) TC74VHC04FT (EL)
IC809 (3/7) TC74VHC04FT (EL)
IC809 (4/7) TC74VHC04FT (EL)
IC809 (6/7) TC74VHC04FT (EL)
IC809 (5/7) TC74VHC04FT (EL)
IC810 (4/7) TC74VHCT04AFT (EL)
IC811 (4/7) SN74LV04APWR
R955 0
R835 0
R957 220k NM
CAM_SY_TO_TC 005-B1
GATED_PB_CTL 005-B4
TAPE_DIRECTION 005-B5
PB_TC 005-B4
REC_TC 005-B4
005-C9 TC_XRES
005-C10 LTC_RESET
005-G9 TC_ANDO
+3.3V
IC838 TC7SH04FU-TE85R
VCC A Y GND
R830 100
I/O_EXP_RST 004-X11, 004-Z5
IC823 S-81230SGUP-DQB-T1
VIN VOUT GND
+3V-2
IC821 RH5VL25AA-T1
VDD OUT VSS
Q802 2SC4213B-TE85L
D818 DAN202UT106
R848 2.2k
R849 2 2k
R850 220k
C827 0.1uF
C828 1uF 25V
C830 10uF 16V
C831 10uF 16V
C832 1uF 25V
RESET (3V)
R860 10k
D819 1SS302-TE85L
+5V-4
IC808 (1/2) NJM2904V (TE2)
005-H10 TC_REGENE_INT
005-H10 SY_SC_REQ
005-H10 1ST_FLD_PLS
SL803
TP803
TP804
TP806
UNSW +12V
R865 7 5k
R866 15k
R867 100k
R868 15k
R869 100k
IC825 (2/2) NJM2904V (TE2)
IC825 (1/2) NJM2904V (TE2)
R870 1k
R871 10k
C834 0 022uF
D820 SB01-05CP-TB
005-K10 BATT_ID_P71
005-K10 UNREG_AD_P71
TP802
C835 1uF 25V
C836 0 022uF
D821 SB01-05CP-TB
R875 1k
IC824 (1/2) NJM2904V (TE2)
+5V-3
R883 10k
C845 0 022uF
R928 220k
R927 220k
R930 220k
IC900 TC7SH04FU-TE85R
R939 10k
R937 220k
IC811 (2/7) SN74LV04APWR
IC811 (6/7) SN74LV04APWR
IC811 (3/7) SN74LV04APWR
R940 220k
R941 220k
R942 10k
R943 10k
REGEN_INT 16 CN121 (16/20)
L-TC_CS 4 CN122 (4/30)
CAM_CF 19 CN123 (19/30)
BATT_ID 15 CN122 (15/30)

TC-101 (4/6)

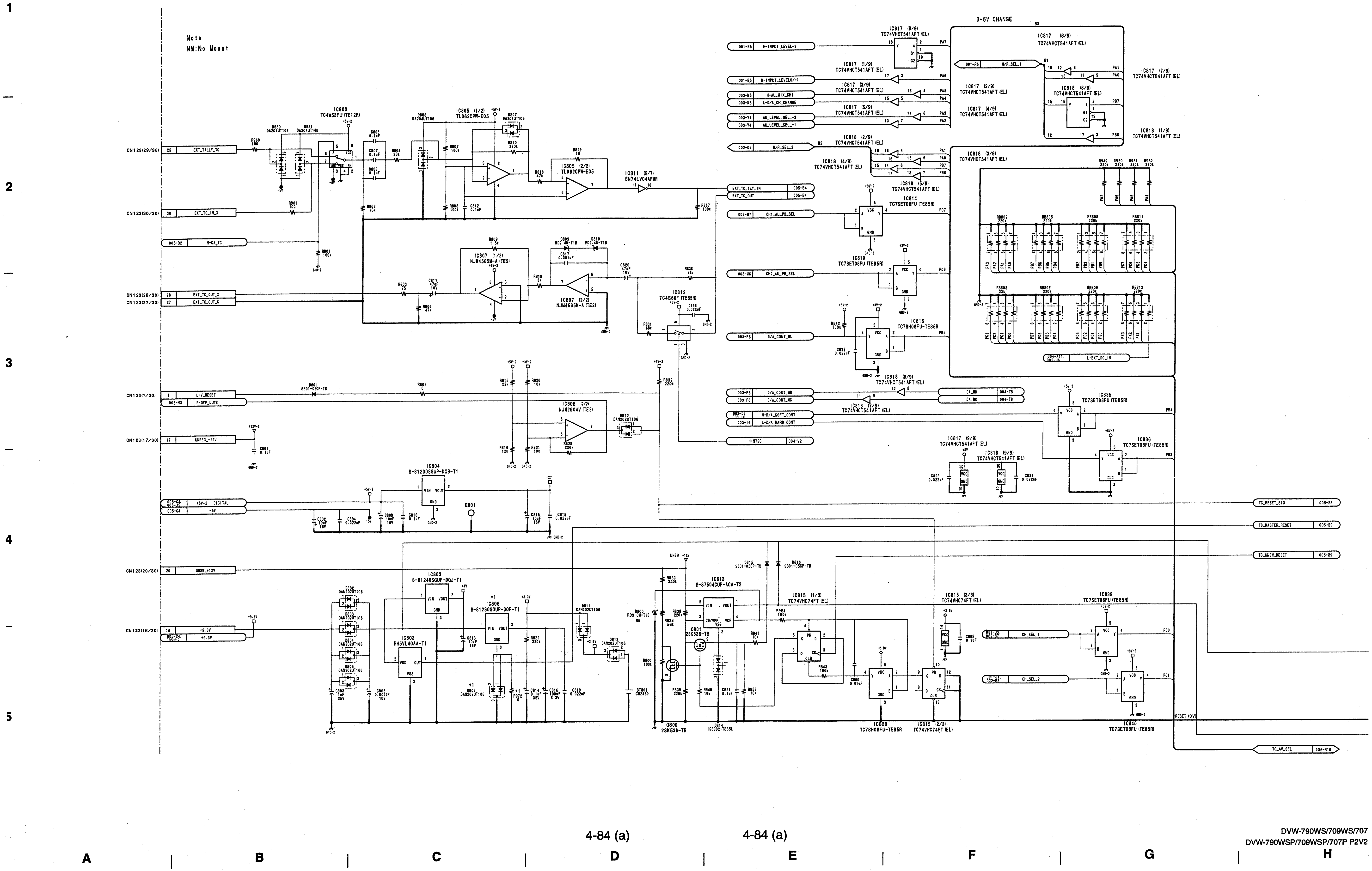
LOT NO. 810-907

TC-101 (4/6)

DVW-707 (J) : S/N 30001 through 30010
DVW-707 (SY) : S/N 10001 through 10055
DVW-707P : S/N 40001 through 40120

DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10105
DVW-709WSP : S/N 40001 through 40190

DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10090
DVW-790WSP : S/N 40001 through 40335


1
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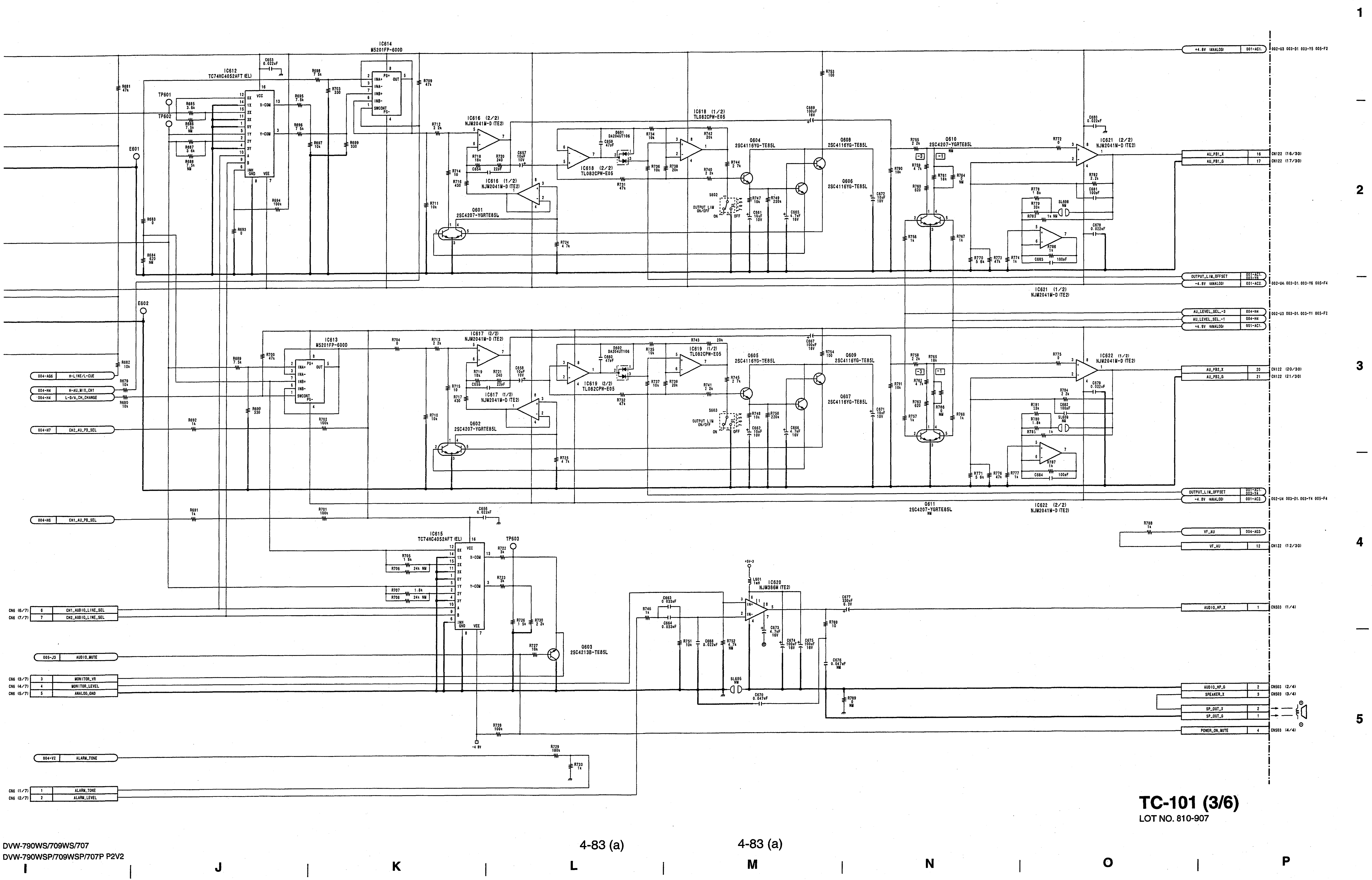
Note
NM:No Mount
3-5V CHANGE
CN123(29/30) EXT_TALLY_TC
CN123(30/30) EXT_TC_IN_X
005-D2 H-CA_TC
CN123(28/30) EXT_TC_OUT_X
CN123(27/30) EXT_TC_OUT_G
CN123(1/30) L-V_RESET
005-H3 P-OFF_MUTE
CN123(17/30) UNREG_+12V
+5V-2 (DIGITAL)
005-C4 -5V
CN123(20/30) UNSW_+12V
CN123(16/30) +9.3V
IC800 TC4W53FU (TE12R)
IC805 (1/2) TL062CPW-E05
IC805 (2/2) TL062CPW-E05
IC811 (5/7) SN74LV04APWR
IC807 (1/2) NJM4565M-A (TE2)
IC807 (2/2) NJM4565M-A (TE2)
IC812 TC4S66F (TE85R)
IC808 (2/2) NJM2904V (TE2)
IC804 S-81230SGUP-DQB-T1
E801
IC803 S-81240SGUP-DQJ-T1
IC806 S-81230SGUP-DQF-T1
IC802 RH5VL40AA-T1
IC813 S-87504CUP-ACA-T2
Q800 2SK536-TB
Q801 2SK536-TB
IC815 (1/3) TC74VHC74FT (EL)
IC815 (2/3) TC74VHC74FT (EL)
IC815 (3/3) TC74VHC74FT (EL)
IC820 TC7SH08FU-TE85R
IC839 TC7SET08FU (TE85R)
IC840 TC7SET08FU (TE85R)
IC817 (8/9) TC74VHCT541AFT (EL)
IC817 (1/9) TC74VHCT541AFT (EL)
IC817 (3/9) TC74VHCT541AFT (EL)
IC817 (5/9) TC74VHCT541AFT (EL)
IC817 (6/9) TC74VHCT541AFT (EL)
IC817 (7/9) TC74VHCT541AFT (EL)
IC817 (2/9) TC74VHCT541AFT (EL)
IC817 (4/9) TC74VHCT541AFT (EL)
IC817 (9/9) TC74VHCT541AFT (EL)
IC818 (8/9) TC74VHCT541AFT (EL)
IC818 (1/9) TC74VHCT541AFT (EL)
IC818 (2/9) TC74VHCT541AFT (EL)
IC818 (3/9) TC74VHCT541AFT (EL)
IC818 (4/9) TC74VHCT541AFT (EL)
IC818 (5/9) TC74VHCT541AFT (EL)
IC818 (6/9) TC74VHCT541AFT (EL)
IC818 (7/9) TC74VHCT541AFT (EL)
IC818 (9/9) TC74VHCT541AFT (EL)
IC814 TC7SET08FU (TE85R)
IC819 TC7SET08FU (TE85R)
IC816 TC7SH08FU-TE85R
IC835 TC7SET08FU (TE85R)
IC836 TC7SET08FU (TE85R)
001-B5 H-INPUT_LEVEL-3
001-B5 H-INPUT_LEVEL0/-1
003-M5 H-AU_MIX_CH1
003-M5 L-D/A_CH_CHANGE
003-Y4 AU_LEVEL_SEL_-3
003-Y4 AU_LEVEL_SEL_-1
002-D5 H/R_SEL_2
001-R5 H/R_SEL_1
EXT_TC_TLY_IN 005-B4
EXT_TC_OUT 005-B4
003-M7 CH1_AU_PB_SEL
003-M6 CH2_AU_PB_SEL
003-F6 D/A_CONT_WL
003-F6 D/A_CONT_MD
003-F6 D/A_CONT_MC
DA_MD 004-T8
DA_MC 004-T8
H-D/A_SOFT_CONT
003-16 L-D/A_HARD_CONT
H-NTSC 004-V2
L-EXT_DC_IN
TC_RESET_SIG 005-B8
TC_MASTER_RESET 005-B9
TC_UNSW_RESET 005-B9
CH_SEL_1
CH_SEL_2
RESET (3V)
TC_AV_SEL 005-R10

4-84 (a)


IC612
TC74HC4052AFT (EL)
IC614
M5201FP-600D
IC613
M5201FP-600D
IC615
TC74HC4052AFT (EL)
IC616 (2/2)
NJM2041M-D (TE2)
IC616 (1/2)
IC617 (2/2)
IC617 (1/2)
IC618 (1/2)
IC618 (2/2)
TL082CPW-E05
IC619 (1/2)
IC619 (2/2)
IC620
NJM386M (TE2)
IC621 (2/2)
IC621 (1/2)
IC622 (1/2)
IC622 (2/2)
Q601
Q602
2SC4207-YGRTE85L
Q603
2SC4213B-TE85L
Q604
Q605
Q606
Q607
Q608
Q609
2SC4116YG-TE85L
Q610
Q611
TP601
TP602
TP603
E601
E602
S602
S603
OUTPUT_LIM ON/OFF
+4.8V (ANALOG)
-4.8V (ANALOG)
AU_PB1_X
AU_PB1_G
AU_PB2_X
AU_PB2_G
OUTPUT_LIM_OFFSET
AU_LEVEL_SEL_-3
AU_LEVEL_SEL_-1
VF_AU
AUDIO_HP_X
AUDIO_HP_G
SPEAKER_X
SP_OUT_X
SP_OUT_G
POWER_ON_MUTE
CN122
CN503
H-LINE/L-CUE
H-AU_MIX_CH1
L-D/A_CH_CHANGE
CH2_AU_PB_SEL
CH1_AU_PB_SEL
CH1_AUDIO_LINE_SEL
CH2_AUDIO_LINE_SEL
AUDIO_MUTE
MONITOR_VR
MONITOR_LEVEL
ANALOG_GND
ALARM_TONE
ALARM_LEVEL
CN6
1
2
3
4
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I
J
K
L
M
N
O
P

TC-101 (3/6)

LOT NO. 810-907

TC-101 (3/6)

TC-101 (3/6)

DVW-707 (J) :	S/N 30001 through 30010	DVW-709WS (J) :	S/N 30001 through 30005	DVW-790WS (J) :	S/N 30001 through 30005
DVW-707 (SY) :	S/N 10001 through 10055	DVW-709WS (SY) :	S/N 10001 through 10105	DVW-790WS (SY) :	S/N 10001 through 10090
DVW-707P :	S/N 40001 through 40120	DVW-709WSP :	S/N 40001 through 40190	DVW-790WSP :	S/N 40001 through 40335

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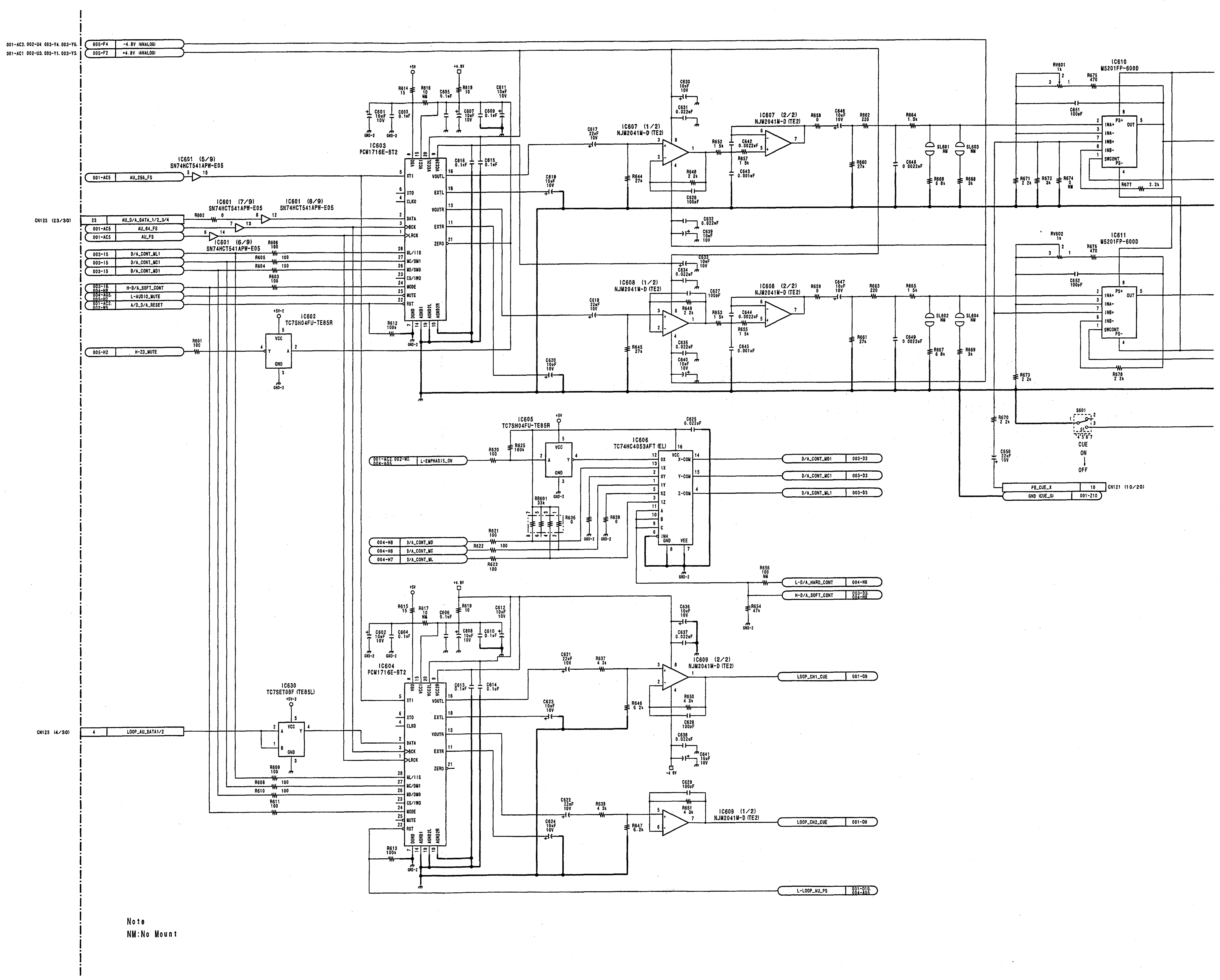
IC601 (5/9) SN74HCT541APW-E05
IC601 (7/9) SN74HCT541APW-E05
IC601 (8/9) SN74HCT541APW-E05
IC601 (6/9) SN74HCT541APW-E05
IC602 TC7SH04FU-TE85R
IC603 PCM1716E-BT2
IC604 PCM1716E-BT2
IC605 TC7SH04FU-TE85R
IC606 TC74HC4053AFT (EL)
IC607 (1/2) NJM2041M-D (TE2)
IC607 (2/2) NJM2041M-D (TE2)
IC608 (1/2) NJM2041M-D (TE2)
IC608 (2/2) NJM2041M-D (TE2)
IC609 (1/2) NJM2041M-D (TE2)
IC609 (2/2) NJM2041M-D (TE2)
IC610 M5201FP-600D
IC611 M5201FP-600D
IC630 TC7SET08F (TE85L)
-4.8V (ANALOG)
+4.8V (ANALOG)
AU_256_FS
AU_D/A_DATA_1/2_3/4
AU_64_FS
AU_FS
D/A_CONT_ML1
D/A_CONT_MC1
D/A_CONT_MD1
H-D/A_SOFT_CONT
L-AUDIO_MUTE
A/D_D/A_RESET
H-ZD_MUTE
L-EMPHASIS_ON
D/A_CONT_MD
D/A_CONT_MC
D/A_CONT_ML
L-D/A_HARD_CONT
H-D/A_SOFT_CONT
LOOP_AU_DATA1/2
LOOP_CH1_CUE
LOOP_CH2_CUE
L-LOOP_AU_FS
PB_CUE_X
GND (CUE_G)
CN123 (23/30)
CN123 (4/30)
CN121 (10/20)
S601
CUE
ON
OFF

Note
NM:No Mount

A | B | C | D | E | F | G | H

TC-101 (2/6)

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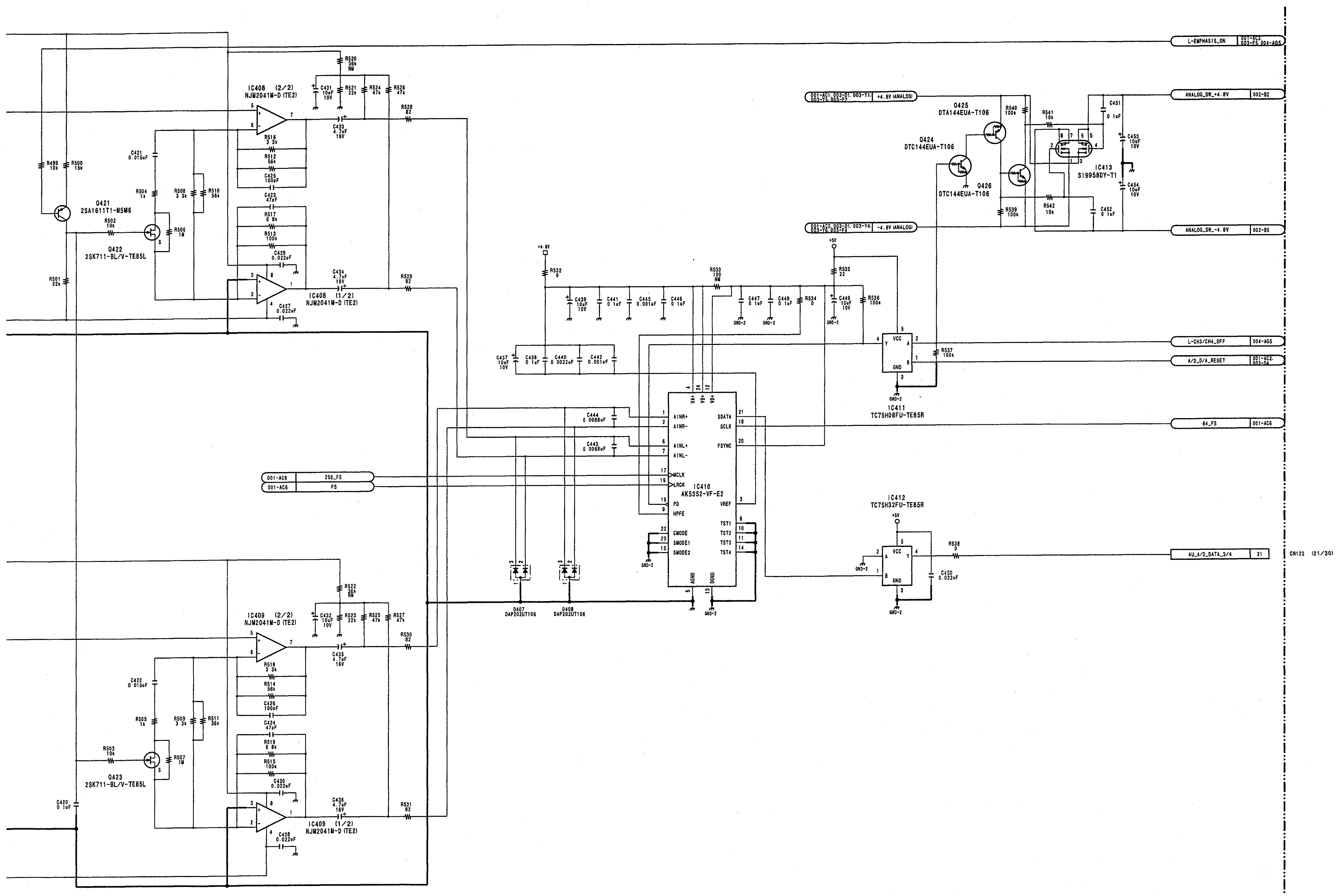

L-EMPHASIS_ON
001-AC2. 003-F5. 004-AG5
001-AC1. 003-D1. 003-Y1. 003-Y5. 005-F2
+4.8V (ANALOG)
001-AC2. 003-D1. 003-Y4. 003-Y6. 005-F4
-4.8V (ANALOG)
ANALOG_SW_+4.8V
002-B2
ANALOG_SW_-4.8V
002-B5
Q425
DTA144EUA-T106
Q424
DTC144EUA-T106
Q426
DTC144EUA-T106
R540
100k
R541
10k
R539
100k
R542
10k
C451
0 1uF
C452
0 1uF
C453
10uF
10V
C454
10uF
10V
IC413
SI9958DY-T1
IC408 (2/2)
NJM2041M-D (TE2)
IC408 (1/2)
NJM2041M-D (TE2)
Q421
2SA1611T1-M5M6
Q422
2SK711-BL/V-TE85L
R499
10k
R500
15k
R501
22k
R502
10k
R504
1k
R506
1M
R508
3 3k
R510
56k
C421
0.015uF
R516
3 3k
R512
56k
C425
100pF
C423
47pF
R517
6 8k
R513
100k
C429
0.022uF
C427
0.022uF
R520
36k
NM
C431
10uF
10V
R521
22k
R524
47k
R526
47k
R528
82
C433
4.7uF
16V
C434
4.7uF
16V
R529
82
+4.8V
R532
0
C439
10uF
10V
C441
0 1uF
C445
0.001uF
C446
0 1uF
C437
10uF
10V
C438
0 1uF
C440
0 0022uF
C442
0.001uF
R533
100
NM
C447
0 1uF
C448
0 1uF
R534
0
GND-2
+5V
R535
22
C449
10uF
10V
R536
100k
IC411
TC7SH08FU-TE85R
VCC
Y
A
B
GND
R537
100k
L-CH3/CH4_OFF
004-AG5
A/D_D/A_RESET
001-AC2. 003-D4
64_FS
001-AC6
C444
0 0068uF
C443
0 0068uF
IC410
AK5352-VF-E2
VA+
VB+
VD+
AINR+
AINR-
AINL+
AINL-
MCLK
LRCK
PD
HPFE
CMODE
SMODE1
SMODE2
SDATA
SCLK
FSYNC
VREF
TST1
TST2
TST3
TST4
AGND
DGND
001-AC6
256_FS
001-AC6
FS
IC412
TC7SH32FU-TE85R
R538
0
C450
0.022uF
AU_A/D_DATA_3/4
31
CN123 (21/30)
D407
DAP202UT106
D408
DAP202UT106
IC409 (2/2)
NJM2041M-D (TE2)
IC409 (1/2)
NJM2041M-D (TE2)
R522
36k
NM
C432
10uF
10V
R523
22k
R525
47k
R527
47k
R530
82
C435
4.7uF
16V
C436
4.7uF
16V
R531
82
R518
3 3k
R514
56k
C426
100pF
C424
47pF
R519
6 8k
R515
100k
C430
0.022uF
C428
0.022uF
C422
0 015uF
R505
1k
R509
3 3k
R511
56k
R503
10k
R507
1M
Q423
2SK711-BL/V-TE85L
C420
0 1uF

TC-101 (2/6)
LOT NO. 810-907

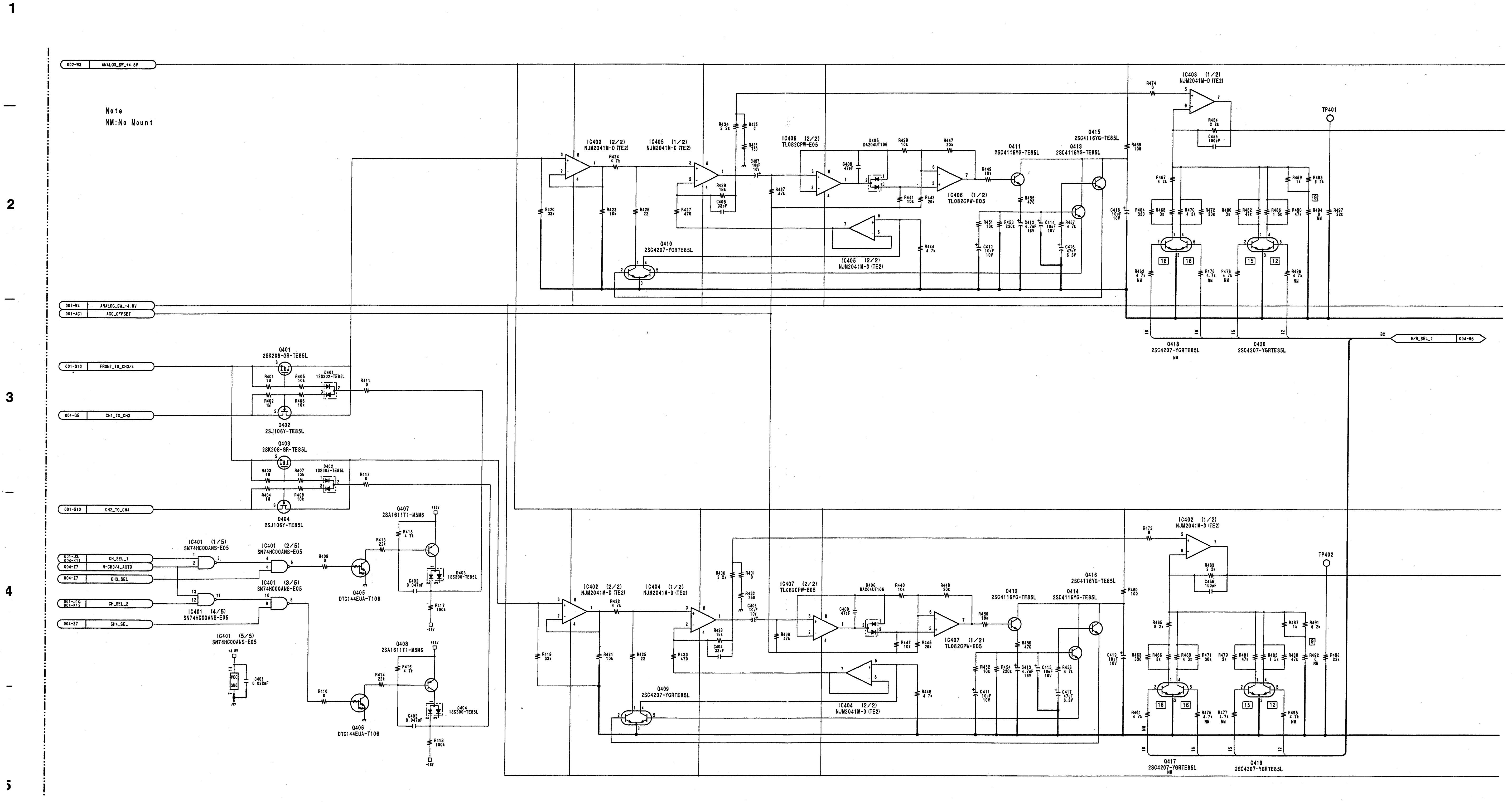
I | J | K | L | M | N | O | P

TC-101 (2/6)

DVW-707 (J) : S/N 30001 through 30010
DVW-707 (SY) : S/N 10001 through 10055
DVW-707P : S/N 40001 through 40120

DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10105
DVW-709WSP : S/N 40001 through 40190

DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10090
DVW-790WSP : S/N 40001 through 40335


1
2
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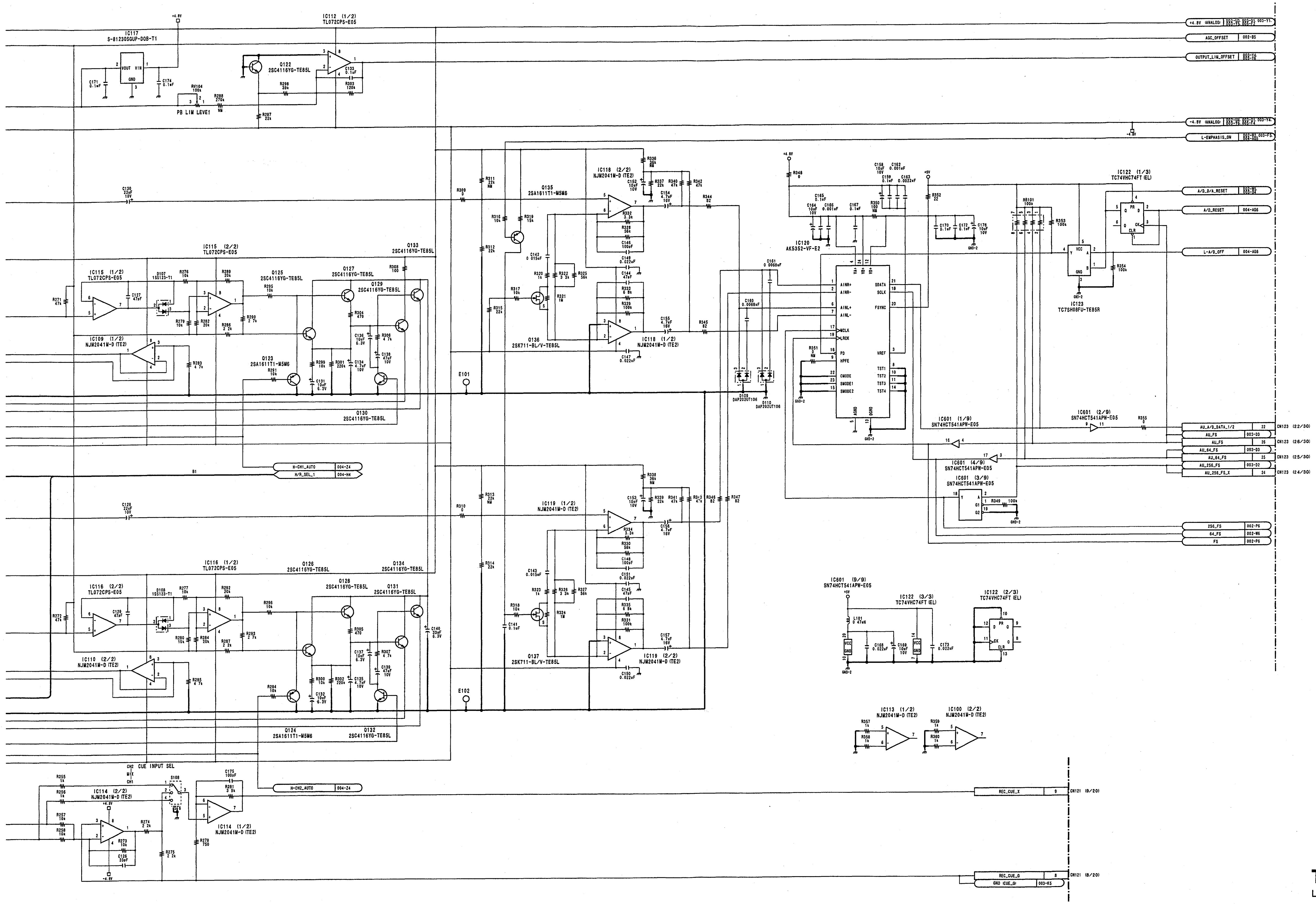
Note
NM:No Mount
002-W3 ANALOG_SW_+4.8V
002-W4 ANALOG_SW_-4.8V
001-AC1 AGC_OFFSET
001-G10 FRONT_TO_CH3/4
001-G5 CH1_TO_CH3
001-G10 CH2_TO_CH4
001-J3. 004-K11 CH_SEL_1
004-Z7 H-CH3/4_AUTO
004-Z7 CH3_SEL
001-J10. 004-K12 CH_SEL_2
004-Z7 CH4_SEL
H/R_SEL_2 004-H5
Q401 2SK208-GR-TE85L
Q402 2SJ106Y-TE85L
Q403 2SK208-GR-TE85L
Q404 2SJ106Y-TE85L
D401 1SS302-TE85L
D402 1SS302-TE85L
IC401 (1/5) SN74HC00ANS-E05
IC401 (2/5) SN74HC00ANS-E05
IC401 (3/5) SN74HC00ANS-E05
IC401 (4/5) SN74HC00ANS-E05
IC401 (5/5) SN74HC00ANS-E05
Q405 DTC144EUA-T106
Q406 DTC144EUA-T106
Q407 2SA1611T1-M5M6
Q408 2SA1611T1-M5M6
D403 1SS300-TE85L
D404 1SS300-TE85L
IC403 (2/2) NJM2041M-D (TE2)
IC405 (1/2) NJM2041M-D (TE2)
IC405 (2/2) NJM2041M-D (TE2)
IC406 (2/2) TL082CPW-E05
IC406 (1/2) TL082CPW-E05
D405 DA204UT106
Q410 2SC4207-YGRTE85L
Q411 2SC4116YG-TE85L
Q413 2SC4116YG-TE85L
Q415 2SC4116YG-TE85L
IC403 (1/2) NJM2041M-D (TE2)
TP401
Q418 2SC4207-YGRTE85L NM
Q420 2SC4207-YGRTE85L
IC402 (2/2) NJM2041M-D (TE2)
IC404 (1/2) NJM2041M-D (TE2)
IC404 (2/2) NJM2041M-D (TE2)
IC407 (2/2) TL082CPW-E05
IC407 (1/2) TL082CPW-E05
D406 DA204UT106
Q409 2SC4207-YGRTE85L
Q412 2SC4116YG-TE85L
Q414 2SC4116YG-TE85L
Q416 2SC4116YG-TE85L
IC402 (1/2) NJM2041M-D (TE2)
TP402
Q417 2SC4207-YGRTE85L NM
Q419 2SC4207-YGRTE85L

4-80 (a)

A | B | C | D | E | F | G | H

TC-101 (1/6) **TC-101 (1/6)**


IC117
S-81230SGUP-DQB-T1
VOUT VIN
GND
C171 0.1uF
C174 0.1uF
RV104 100k
R288 270k NM
PB LIM LEVEL
IC112 (1/2)
TL072CPS-E05
Q122
2SC4116YG-TE85L
R298 39k
C133 0.1uF
R303 120k
R297 22k
+4.8V (ANALOG) 002-U3, 003-D1, 003-Y1, 003-Y5, 005-F2
AGC_OFFSET 002-B5
OUTPUT_LIM_OFFSET 003-Y4, 003-Y6
-4.8V (ANALOG) 002-U4, 003-D1, 003-Y4, 003-Y6, 005-F4
L-EMPHASIS_ON 002-W2, 003-F5, 004-AG5
C130 22uF 10V
IC115 (2/2)
TL072CPS-E05
IC115 (1/2)
TL072CPS-E05
D107 1SS123-T1
IC109 (1/2)
NJM2041M-D (TE2)
Q125 2SC4116YG-TE85L
Q127 2SC4116YG-TE85L
Q129 2SC4116YG-TE85L
Q133 2SC4116YG-TE85L
Q123 2SA1611T1-M5M6
Q130 2SC4116YG-TE85L
E101
H-CH1_AUTO 004-Z4
H/R_SEL_1 004-H4
Q135 2SA1611T1-M5M6
Q136 2SK711-BL/V-TE85L
IC118 (2/2)
NJM2041M-D (TE2)
IC118 (1/2)
NJM2041M-D (TE2)
IC120
AK5352-VF-E2
AINR+
AINR-
AINL+
AINL-
MCLK
LRCK
PD
HPFE
CMODE
SMODE1
SMODE2
SDATA
SCLK
FSYNC
VREF
TST1
TST2
TST3
TST4
D109 DAP202UT106
D110 DAP202UT106
GND-2
IC122 (1/3)
TC74VHC74FT (EL)
IC123
TC7SH08FU-TE85R
RB101 100k
A/D_D/A_RESET 002-W5, 003-D4
A/D_RESET 004-AG6
L-A/D_OFF 004-AG6
IC601 (1/9)
SN74HCT541APW-E05
IC601 (2/9)
SN74HCT541APW-E05
IC601 (4/9)
SN74HCT541APW-E05
IC601 (3/9)
SN74HCT541APW-E05
AU_A/D_DATA_1/2 22 CN123 (22/30)
AU_FS 003-D3
AU_FS 26 CN123 (26/30)
AU_64_FS 003-D3
AU_64_FS 25 CN123 (25/30)
AU_256_FS 003-D2
AU_256_FS_X 24 CN123 (24/30)
256_FS 002-P6
64_FS 002-W6
FS 002-P6
C129 22uF 10V
IC119 (1/2)
NJM2041M-D (TE2)
IC119 (2/2)
NJM2041M-D (TE2)
Q137 2SK711-BL/V-TE85L
IC116 (1/2)
TL072CPS-E05
IC116 (2/2)
TL072CPS-E05
D108 1SS123-T1
IC110 (2/2)
NJM2041M-D (TE2)
Q126 2SC4116YG-TE85L
Q128 2SC4116YG-TE85L
Q131 2SC4116YG-TE85L
Q134 2SC4116YG-TE85L
Q124 2SA1611T1-M5M6
Q132 2SC4116YG-TE85L
E102
IC601 (9/9)
SN74HCT541APW-E05
IC122 (3/3)
TC74VHC74FT (EL)
IC122 (2/3)
TC74VHC74FT (EL)
IC113 (1/2)
NJM2041M-D (TE2)
IC100 (2/2)
NJM2041M-D (TE2)
CH2 CUE INPUT SEL
MIX
CH1
S108
IC114 (2/2)
NJM2041M-D (TE2)
IC114 (1/2)
NJM2041M-D (TE2)
H-CH2_AUTO 004-Z4
REC_CUE_X 9 CN121 (9/20)
REC_CUE_G 8 CN121 (8/20)
GND (CUE_G) 003-K5

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TC-101 (1/6)

LOT NO. 810-907

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

4-79 (a)

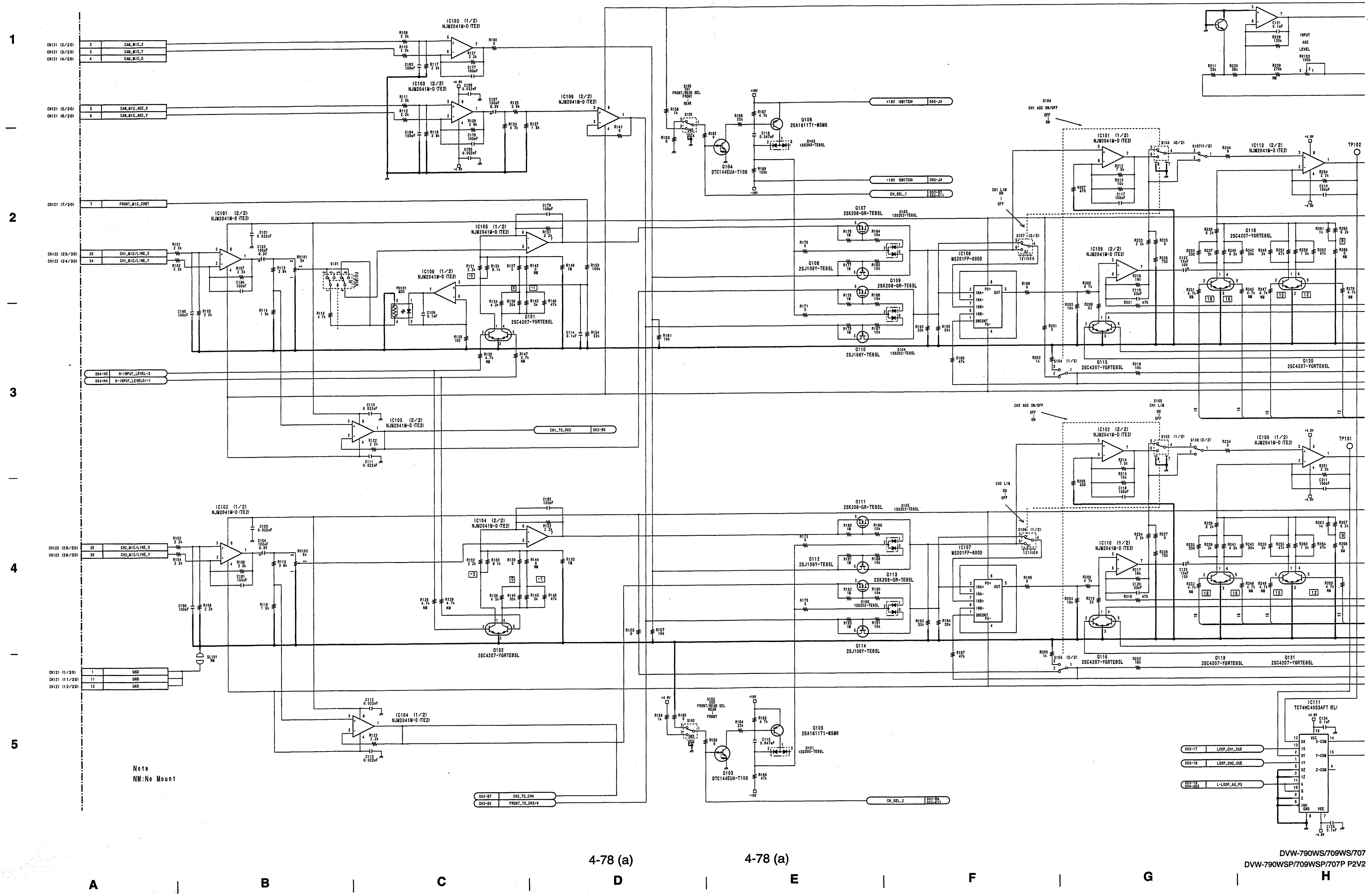
I | J | K | L | M | N | O | P

/-SP1386 / DRUCK 107

TC-101 (1/6)

TC-101 (1/6)

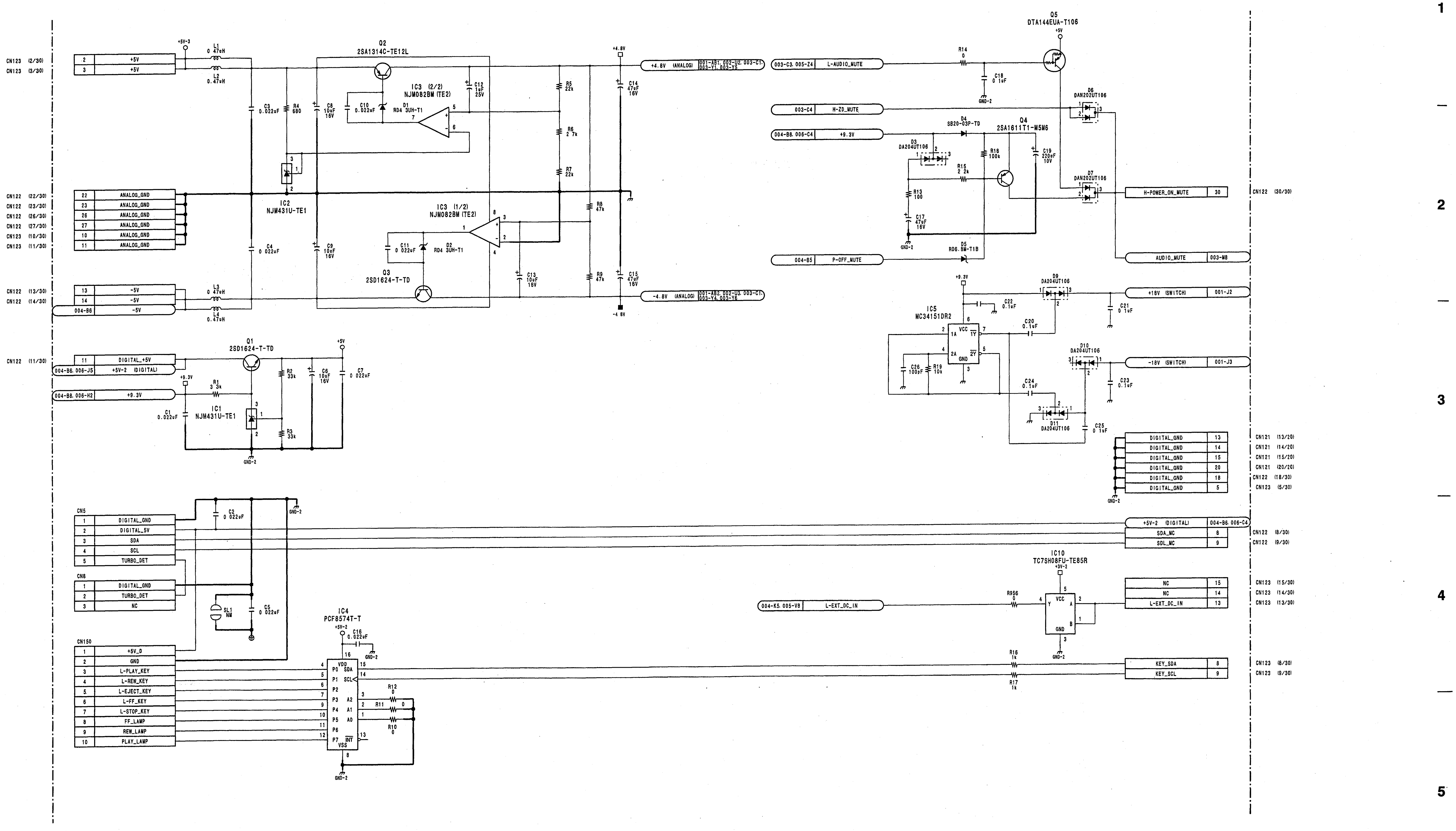
DVW-707 (J) :	S/N 30001 through 30010
DVW-707 (SY) :	S/N 10001 through 10055
DVW-707P :	S/N 40001 through 40120
DVW-709WS (J) :	S/N 30001 through 30005
DVW-709WS (SY) :	S/N 10001 through 10105
DVW-709WSP :	S/N 40001 through 40190
DVW-790WS (J) :	S/N 30001 through 30005
DVW-790WS (SY) :	S/N 10001 through 10090
DVW-790WSP :	S/N 40001 through 40335


1
2
3
4
5
A
B
C
D
E
F
G
H
CN121 (2/20)
CN121 (3/20)
CN121 (4/20)
CAM_MIC_X
CAM_MIC_Y
CAM_MIC_G
CN121 (5/20)
CN121 (6/20)
CAM_MIC_AGC_X
CAM_MIC_AGC_Y
CN121 (7/20)
FRONT_MIC_CONT
CN122 (25/30)
CN122 (24/30)
CH1_MIC/LINE_X
CH1_MIC/LINE_Y
CN122 (29/30)
CN122 (28/30)
CH2_MIC/LINE_X
CH2_MIC/LINE_Y
CN121 (1/20)
CN121 (11/20)
CN121 (12/20)
GND
H-INPUT_LEVEL-3
H-INPUT_LEVEL0/-1
IC103 (1/2) NJM2041M-D (TE2)
IC103 (2/2) NJM2041M-D (TE2)
IC106 (2/2) NJM2041M-D (TE2)
IC101 (2/2) NJM2041M-D (TE2)
IC105 (1/2) NJM2041M-D (TE2)
IC106 (1/2)
IC105 (2/2) NJM2041M-D (TE2)
IC102 (1/2) NJM2041M-D (TE2)
IC104 (2/2) NJM2041M-D (TE2)
IC104 (1/2) NJM2041M-D (TE2)
Q101 2SC4207-YGRTE85L
Q102 2SC4207-YGRTE85L
PH101
RV101
RV102
S101
SL101 NM
CH1_TO_CH3
CH2_TO_CH4
FRONT_TO_CH3/4
S103 FRONT/REAR SEL FRONT REAR
S102 FRONT/REAR SEL REAR FRONT
Q104 DTC144EUA-T106
Q103 DTC144EUA-T106
Q106 2SA1611T1-M5M6
Q105 2SA1611T1-M5M6
D102 1SS300-TE85L
D101 1SS300-TE85L
+18V (SWITCH)
-18V (SWITCH)
CH_SEL_1
CH_SEL_2
Q107 2SK208-GR-TE85L
Q108 2SJ106Y-TE85L
Q109 2SK208-GR-TE85L
Q110 2SJ106Y-TE85L
Q111 2SK208-GR-TE85L
Q112 2SJ106Y-TE85L
Q113 2SK208-GR-TE85L
Q114 2SJ106Y-TE85L
D103 1SS302-TE85L
D104 1SS302-TE85L
D105 1SS302-TE85L
D106 1SS302-TE85L
IC108 MS201FP-6000
IC107 MS201FP-6000
S104 CH1 AGC ON/OFF OFF ON
S105 CH1 LIN ON OFF
CH2 AGC ON/OFF OFF ON
CH1 LIN ON OFF
CH2 LIN ON OFF
S107 (1/2)
S107 (2/2)
S106 (1/2)
S106 (2/2)
IC101 (1/2) NJM2041M-D (TE2)
IC102 (2/2) NJM2041M-D (TE2)
IC113 (2/2) NJM2041M-D (TE2)
IC100 (1/2) NJM2041M-D (TE2)
IC109 (2/2) NJM2041M-D (TE2)
IC110 (1/2) NJM2041M-D (TE2)
TP102
TP101
Q115 2SC4207-YGRTE85L
Q116 2SC4207-YGRTE85L
Q118 2SC4207-YGRTE85L
Q119 2SC4207-YGRTE85L
Q120 2SC4207-YGRTE85L
Q121 2SC4207-YGRTE85L
Q117 2SC4116YG-TE85L
IC112 (2/2) TL072CPS-E05
INPUT AGC LEVEL
RV103 100k
IC111 TC74HC4053AFT (EL)
LOOP_CH1_CUE
LOOP_CH2_CUE
L-LOOP_AU_PS

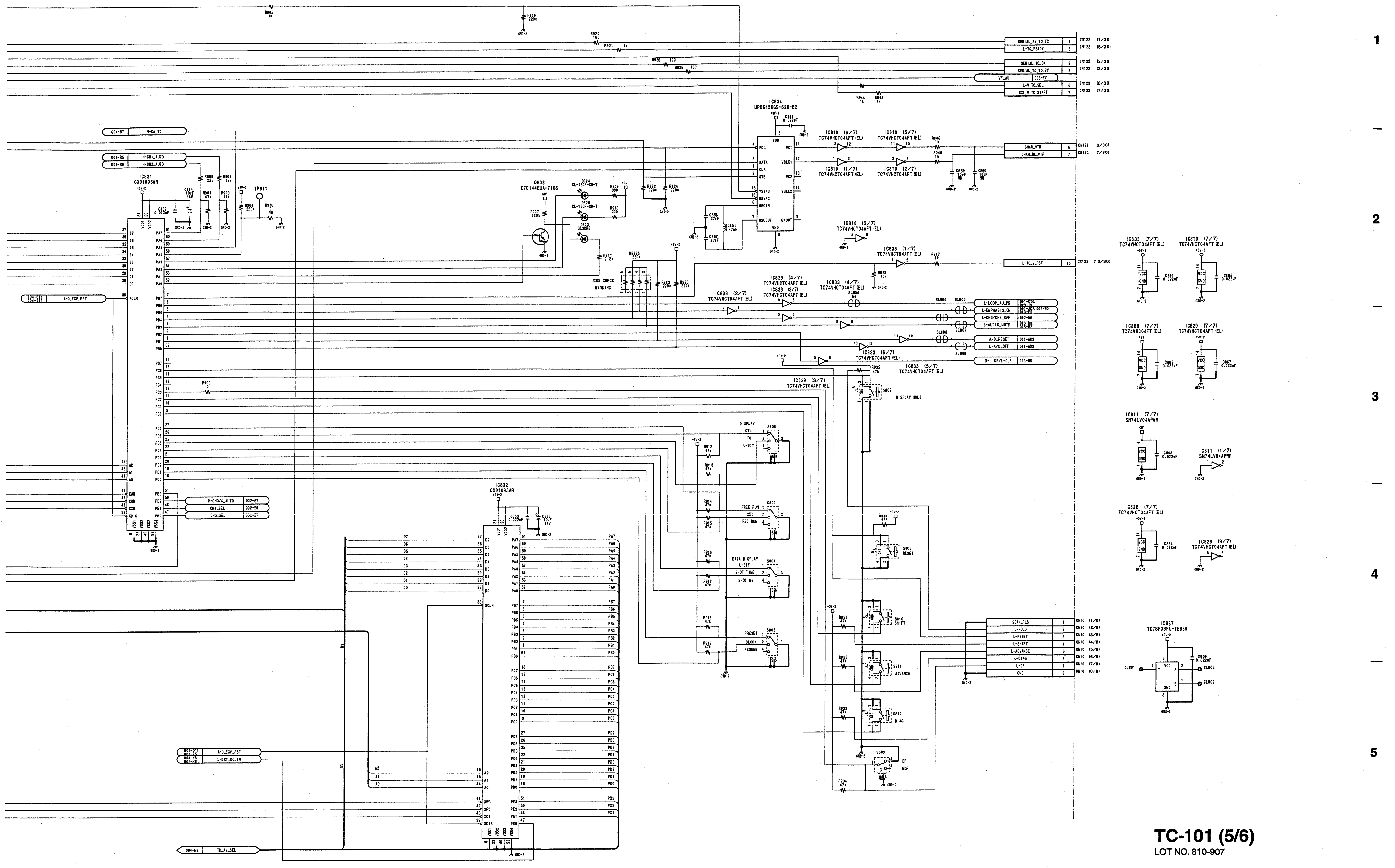
Note
NM:No Mount

4-78 (a)

DVW-707 (J) :	**S/N 30011 and Higher**	**DVW-709WS (J) :**	**S/N 30006 and Higher**	**DVW-790WS (J) :**	**S/N 30006 and Higher**
DVW-707 (SY) :	**S/N 10056 and Higher**	**DVW-709WS (SY) :**	**S/N 10106 and Higher**	**DVW-790WS (SY) :**	**S/N 10091 and Higher**
DVW-707P :	**S/N 40121 and Higher**	**DVW-709WSP :**	**S/N 40191 and Higher**	**DVW-790WSP :**	**S/N 40336 and Higher**

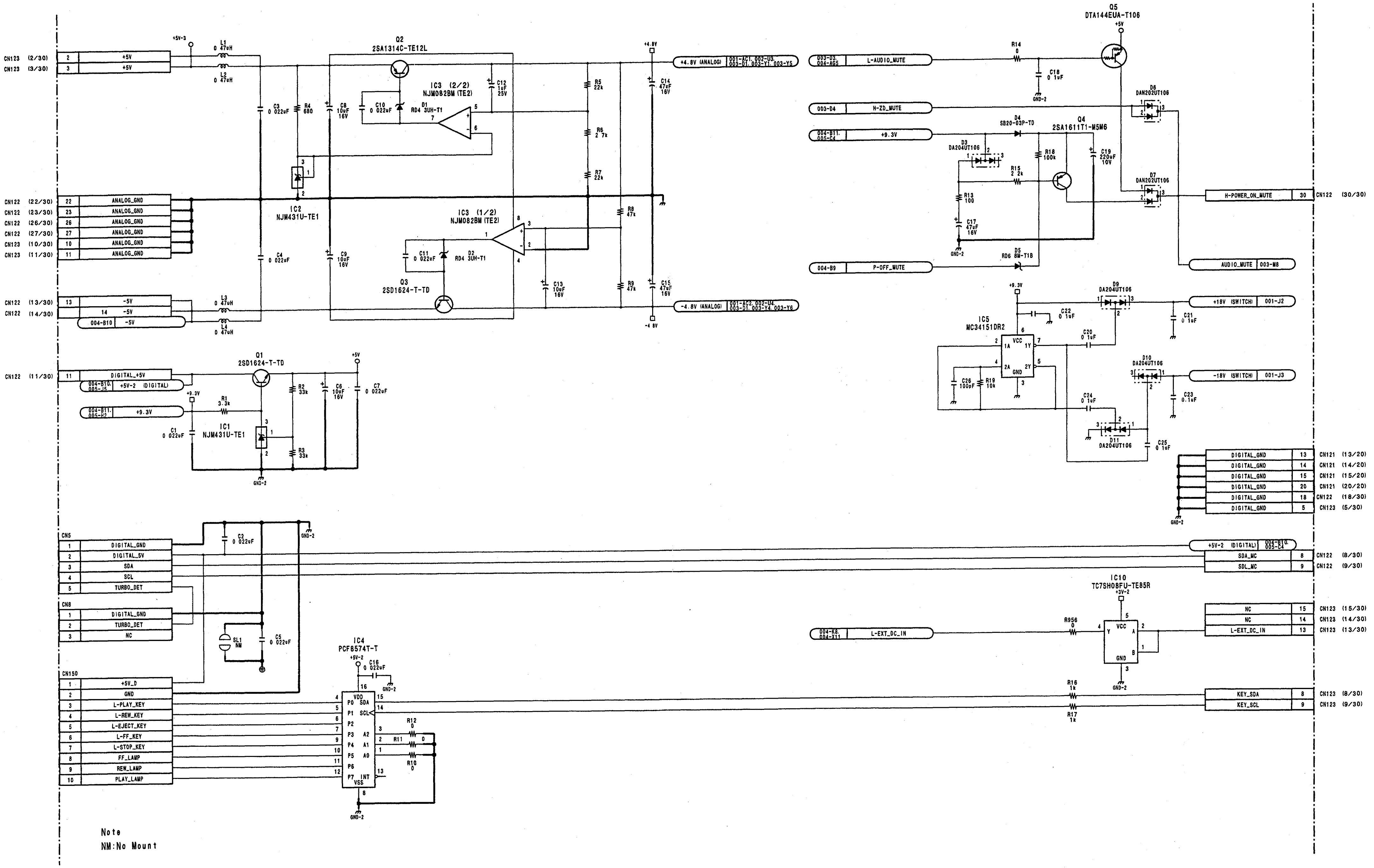

1
2
3
4
5
CN123 (2/30)
CN123 (3/30)
+5V
L1 0.47uH
L2 0.47uH
Q2 2SA1314C-TE12L
IC3 (2/2) NJM082BM (TE2)
D1 RD4.3UH-T1
C12 1uF 25V
R5 22k
R6 2.7k
R7 22k
C14 47uF 16V
+4.8V
+4.8V (ANALOG)
C3 0.022uF
R4 680
C8 10uF 16V
C10 0.022uF
CN122 (22/30)
CN122 (23/30)
CN122 (26/30)
CN122 (27/30)
CN123 (10/30)
CN123 (11/30)
ANALOG_GND
IC2 NJM431U-TE1
IC3 (1/2) NJM082BM (TE2)
R8 47k
C4 0.022uF
C9 10uF 16V
C11 0.022uF
D2 RD4.3UH-T1
Q3 2SD1624-T-TD
C13 10uF 16V
R9 47k
C15 47uF 16V
CN122 (13/30)
CN122 (14/30)
-5V
004-B6
L3 0.47uH
L4 0.47uH
-4.8V (ANALOG)
-4.8V
CN122 (11/30)
DIGITAL_+5V
004-B6, 006-J5
+5V-2 (DIGITAL)
004-B8, 006-H2
+9.3V
Q1 2SD1624-T-TD
R1 3.3k
C1 0.022uF
IC1 NJM431U-TE1
R2 33k
R3 33k
C6 10uF 16V
C7 0.022uF
GND-2
CN5
DIGITAL_GND
DIGITAL_5V
SDA
SCL
TURBO_DET
C2 0.022uF
CN8
NC
SL1 NM
C5 0.022uF
CN150
+5V_D
GND
L-PLAY_KEY
L-REW_KEY
L-EJECT_KEY
L-FF_KEY
L-STOP_KEY
FF_LAMP
REW_LAMP
PLAY_LAMP
IC4 PCF8574T-T
C16 0.022uF
R12 0
R11 0
R10 0
Q5 DTA144EUA-T106
003-C3, 005-Z4
L-AUDIO_MUTE
R14 0
C18 0.1uF
D6 DAN202UT106
003-C4
H-ZD_MUTE
004-B8, 006-C4
D4 SB20-03P-TD
Q4 2SA1611T1-M5M6
D3 DA204UT106
R16 100k
C19 220uF 10V
R15 2.2k
D7 DAN202UT106
H-POWER_ON_MUTE
CN122 (30/30)
R13 100
C17 47uF 16V
D5 RD6.8M-T1B
004-B5
P-OFF_MUTE
AUDIO_MUTE
003-M8
D9 DA204UT106
C22 0.1uF
+18V (SWITCH)
001-J2
C21 0.1uF
IC5 MC34151DR2
C20 0.1uF
D10 DA204UT106
-18V (SWITCH)
001-J3
C26 100pF
R19 10k
C24 0.1uF
C23 0.1uF
D11 DA204UT106
C25 0.1uF
DIGITAL_GND
CN121 (13/20)
CN121 (14/20)
CN121 (15/20)
CN121 (20/20)
CN122 (18/30)
CN123 (5/30)
+5V-2 (DIGITAL)
004-B6, 006-C4
SDA_MC
SCL_MC
CN122 (8/30)
CN122 (9/30)
IC10 TC7SH08FU-TE85R
R956 0
004-K5, 005-V8
L-EXT_DC_IN
CN123 (15/30)
CN123 (14/30)
CN123 (13/30)
R16 1k
R17 1k
KEY_SDA
KEY_SCL
CN123 (8/30)
CN123 (9/30)

TC-101 (6/6)
LOT NO. 908-


IC831
CXD1095AR
IC832
CXD1095AR
IC834
UPD6456GS-620-E2
IC810 (6/7)
TC74VHCT04AFT (EL)
IC810 (5/7)
TC74VHCT04AFT (EL)
IC810 (1/7)
TC74VHCT04AFT (EL)
IC810 (2/7)
TC74VHCT04AFT (EL)
IC810 (3/7)
TC74VHCT04AFT (EL)
IC833 (1/7)
TC74VHCT04AFT (EL)
IC833 (2/7)
TC74VHCT04AFT (EL)
IC829 (4/7)
TC74VHCT04AFT (EL)
IC833 (3/7)
TC74VHCT04AFT (EL)
IC833 (4/7)
TC74VHCT04AFT (EL)
IC833 (6/7)
TC74VHCT04AFT (EL)
IC833 (5/7)
TC74VHCT04AFT (EL)
IC829 (3/7)
TC74VHCT04AFT (EL)
IC833 (7/7)
TC74VHCT04AFT (EL)
IC810 (7/7)
TC74VHCT04AFT (EL)
IC809 (7/7)
TC74VHCT04AFT (EL)
IC829 (7/7)
TC74VHCT04AFT (EL)
IC811 (7/7)
SN74LV04APWR
IC811 (1/7)
SN74LV04APWR
IC828 (7/7)
TC74VHCT04AFT (EL)
IC828 (3/7)
TC74VHCT04AFT (EL)
IC837
TC7SH08FU-TE85R
Q803
DTC144EUA-T106
D824
CL-150R-CD-T
D825
CL-150R-CD-T
D823
GL3UR8
UCOM CHECK
WARNING
TP811
SERIAL_SY_TO_TC
L-TC_READY
SERIAL_TC_CK
SERIAL_TC_TO_SY
VF_AU
L-VITC_SEL
SCI_VITC_START
CHAR_VTR
CHAR_BL_VTR
L-TC_V_RST
CN122 (1/30)
CN122 (5/30)
CN122 (2/30)
CN122 (3/30)
CN123 (6/30)
CN123 (7/30)
CN122 (6/30)
CN122 (7/30)
CN122 (10/30)
H-CA_TC
H-CH1_AUTO
H-CH2_AUTO
I/O_EXP_RST
H-CH3/4_AUTO
CH4_SEL
CH3_SEL
L-LOOP_AU_PS
L-EMPHASIS_ON
L-CH3/CH4_OFF
L-AUDIO_MUTE
A/D_RESET
L-A/D_OFF
H-LINE/L-CUE
DISPLAY
CTL
TC
U-BIT
S806
FREE RUN
SET
REC RUN
S803
DATA DISPLAY
U-BIT
SHOT TIME
SHOT No
S804
PRESET
CLOCK
REGENE
S805
S807
DISPLAY HOLD
S808
RESET
S810
SHIFT
S811
ADVANCE
S812
DIAG
S809
DF
NDF
SCAN_PLS
L-HOLD
L-RESET
L-SHIFT
L-ADVANCE
L-DIAG
L-DF
GND
CN10 (1/8)
CN10 (2/8)
CN10 (3/8)
CN10 (4/8)
CN10 (5/8)
CN10 (6/8)
CN10 (7/8)
CN10 (8/8)
CL801
CL803
CL802
I/O_EXP_RST
L-EXT_DC_IN
TC_AV_SEL
1
2
3
4
5

TC-101 (5/6)
LOT NO. 810-907

DVW-707 (J) :	S/N 30001 through 30010	DVW-709WS (J) :	S/N 30001 through 30005	DVW-790WS (J) :	S/N 30001 through 30005
DVW-707 (SY) :	S/N 10001 through 10055	DVW-709WS (SY) :	S/N 10001 through 10105	DVW-790WS (SY) :	S/N 10001 through 10090
DVW-707P :	S/N 40001 through 40120	DVW-709WSP :	S/N 40001 through 40190	DVW-790WSP :	S/N 40001 through 40335


CN123 (2/30) 2 +5V
CN123 (3/30) 3 +5V
+5V-3
L1 0 47uH
L2 0 47uH
Q2 2SA1314C-TE12L
IC3 (2/2) NJM082BM (TE2)
C3 0 022uF
R4 680
C8 10uF 16V
C10 0 022uF
D1 RD4 3UH-T1
C12 1uF 25V
R5 22k
R6 2 7k
R7 22k
IC2 NJM431U-TE1
CN122 (22/30) 22 ANALOG_GND
CN122 (23/30) 23 ANALOG_GND
CN122 (26/30) 26 ANALOG_GND
CN122 (27/30) 27 ANALOG_GND
CN123 (10/30) 10 ANALOG_GND
CN123 (11/30) 11 ANALOG_GND
IC3 (1/2) NJM082BM (TE2)
C4 0 022uF
C9 10uF 16V
C11 0 022uF
D2 RD4 3UH-T1
Q3 2SD1624-T-TD
C13 10uF 16V
R8 47k
R9 47k
+4.8V
C14 47uF 16V
C15 47uF 16V
-4 8V
+4.8V (ANALOG) 001-AC1, 002-U3, 003-D1, 003-Y1, 003-Y5
-4.8V (ANALOG) 001-AC2, 002-U4, 003-D1, 003-Y4, 003-Y6
CN122 (13/30) 13 -5V
CN122 (14/30) 14 -5V
004-B10 -5V
L3 0 47uH
L4 0 47uH
CN122 (11/30) 11 DIGITAL_+5V
004-B10, 005-J5 +5V-2 (DIGITAL)
004-B11, 005-H2 +9.3V
Q1 2SD1624-T-TD
+5V
R1 3.3k
C1 0 022uF
IC1 NJM431U-TE1
R2 33k
R3 33k
C6 10uF 16V
C7 0 022uF
GND-2
CN5
1 DIGITAL_GND
2 DIGITAL_5V
3 SDA
4 SCL
5 TURBO_DET
C2 0 022uF
CN8
1 DIGITAL_GND
2 TURBO_DET
3 NC
SL1 NM
C5 0 022uF
CN150
1 +5V_D
2 GND
3 L-PLAY_KEY
4 L-REW_KEY
5 L-EJECT_KEY
6 L-FF_KEY
7 L-STOP_KEY
8 FF_LAMP
9 REW_LAMP
10 PLAY_LAMP
IC4 PCF8574T-T
+5V-2
C16 0 022uF
VDD P0 P1 P2 P3 P4 P5 P6 P7 SDA SCL A2 A1 A0 INT VSS
R12 0
R11 0
R10 0
Q5 DTA144EUA-T106
003-D3, 004-AG5 L-AUDIO_MUTE
R14 0
C18 0 1uF
003-D4 H-ZD_MUTE
D6 DAN202UT106
004-B11, 005-C4 +9.3V
D4 SB20-03P-TD
Q4 2SA1611T1-M5M6
D3 DA204UT106
R18 100k
C19 220uF 10V
R15 2 2k
R13 100
C17 47uF 16V
D7 DAN202UT106
H-POWER_ON_MUTE 30 CN122 (30/30)
004-B9 P-OFF_MUTE
D5 RD6 8M-T1B
AUDIO_MUTE 003-M8
+9.3V
D9 DA204UT106
C22 0 1uF
IC5 MC34151DR2
VCC 1A 1Y 2A 2Y GND
C20 0 1uF
C21 0 1uF
+18V (SWITCH) 001-J2
C26 100pF
R19 10k
D10 DA204UT106
-18V (SWITCH) 001-J3
C24 0 1uF
C23 0.1uF
D11 DA204UT106
C25 0 1uF
DIGITAL_GND 13 CN121 (13/20)
DIGITAL_GND 14 CN121 (14/20)
DIGITAL_GND 15 CN121 (15/20)
DIGITAL_GND 20 CN121 (20/20)
DIGITAL_GND 18 CN122 (18/30)
DIGITAL_GND 5 CN123 (5/30)
+5V-2 (DIGITAL) 004-B10, 005-C4
SDA_MC 8 CN122 (8/30)
SDL_MC 9 CN122 (9/30)
IC10 TC7SH08FU-TE85R
+3V-2
004-K8, 004-X11 L-EXT_DC_IN
R956 0
VCC Y A B GND
NC 15 CN123 (15/30)
NC 14 CN123 (14/30)
L-EXT_DC_IN 13 CN123 (13/30)
R16 1k
R17 1k
KEY_SDA 8 CN123 (8/30)
KEY_SCL 9 CN123 (9/30)
1
2
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A
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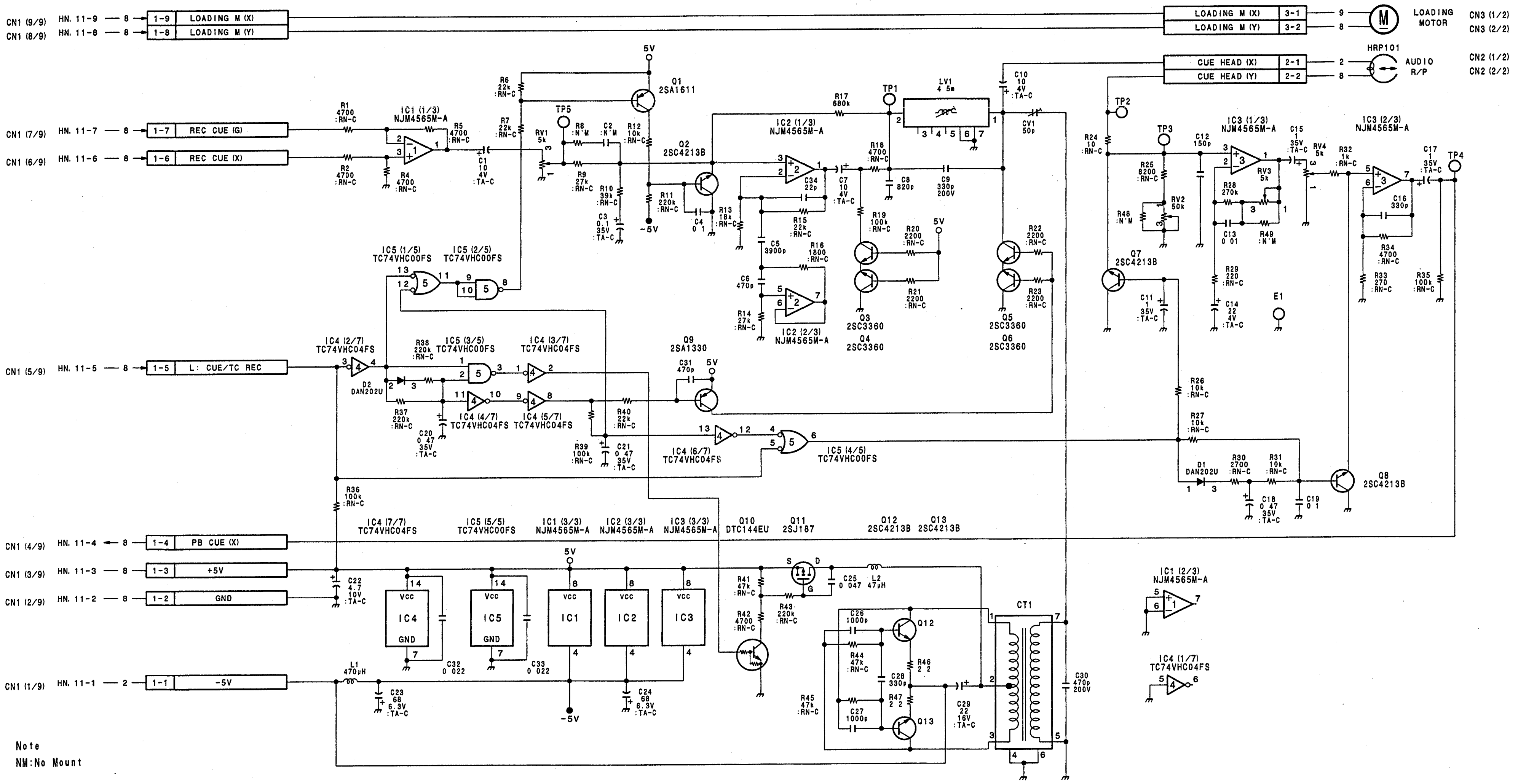
G
H

Note
NM:No Mount

TC-101 (6/6)

LOT NO. 810-907


CN1 (9/9) HN. 11-9 1-9 LOADING M (X)
CN1 (8/9) HN. 11-8 1-8 LOADING M (Y)
CN1 (7/9) HN. 11-7 1-7 REC CUE (G)
CN1 (6/9) HN. 11-6 1-6 REC CUE (X)
CN1 (5/9) HN. 11-5 1-5 L: CUE/TC REC
CN1 (4/9) HN. 11-4 1-4 PB CUE (X)
CN1 (3/9) HN. 11-3 1-3 +5V
CN1 (2/9) HN. 11-2 1-2 GND
CN1 (1/9) HN. 11-1 1-1 -5V
LOADING M (X) 3-1
LOADING M (Y) 3-2
LOADING MOTOR
CN3 (1/2)
CN3 (2/2)
CUE HEAD (X) 2-1
CUE HEAD (Y) 2-2
HRP101 AUDIO R/P
CN2 (1/2)
CN2 (2/2)
IC1 (1/3) NJM4565M-A
IC2 (1/3) NJM4565M-A
IC2 (2/3) NJM4565M-A
IC3 (1/3) NJM4565M-A
IC3 (2/3) NJM4565M-A
IC1 (2/3) NJM4565M-A
IC1 (3/3) NJM4565M-A
IC2 (3/3) NJM4565M-A
IC3 (3/3) NJM4565M-A
IC4 (1/7) TC74VHC04FS
IC4 (2/7) TC74VHC04FS
IC4 (3/7) TC74VHC04FS
IC4 (4/7) TC74VHC04FS
IC4 (5/7) TC74VHC04FS
IC4 (6/7) TC74VHC04FS
IC4 (7/7) TC74VHC04FS
IC5 (1/5) TC74VHC00FS
IC5 (2/5) TC74VHC00FS
IC5 (3/5) TC74VHC00FS
IC5 (4/5) TC74VHC00FS
IC5 (5/5) TC74VHC00FS
Q1 2SA1611
Q2 2SC4213B
Q3 2SC3360
Q4 2SC3360
Q5 2SC3360
Q6 2SC3360
Q7 2SC4213B
Q8 2SC4213B
Q9 2SA1330
Q10 DTC144EU
Q11 2SJ187
Q12 2SC4213B
Q13 2SC4213B
D1 DAN202U
D2 DAN202U
LV1 4.5m
CV1 50p
RV1 5k
RV2 50k
RV3 5k
RV4 5k
TP1
TP2
TP3
TP4
TP5
E1
CT1
L1 470μH
L2 47μH
5V
-5V
VCC
GND
IC1
IC2
IC3
IC4
IC5

Note
NM:No Mount

CUE-2
LOT NO. 810-

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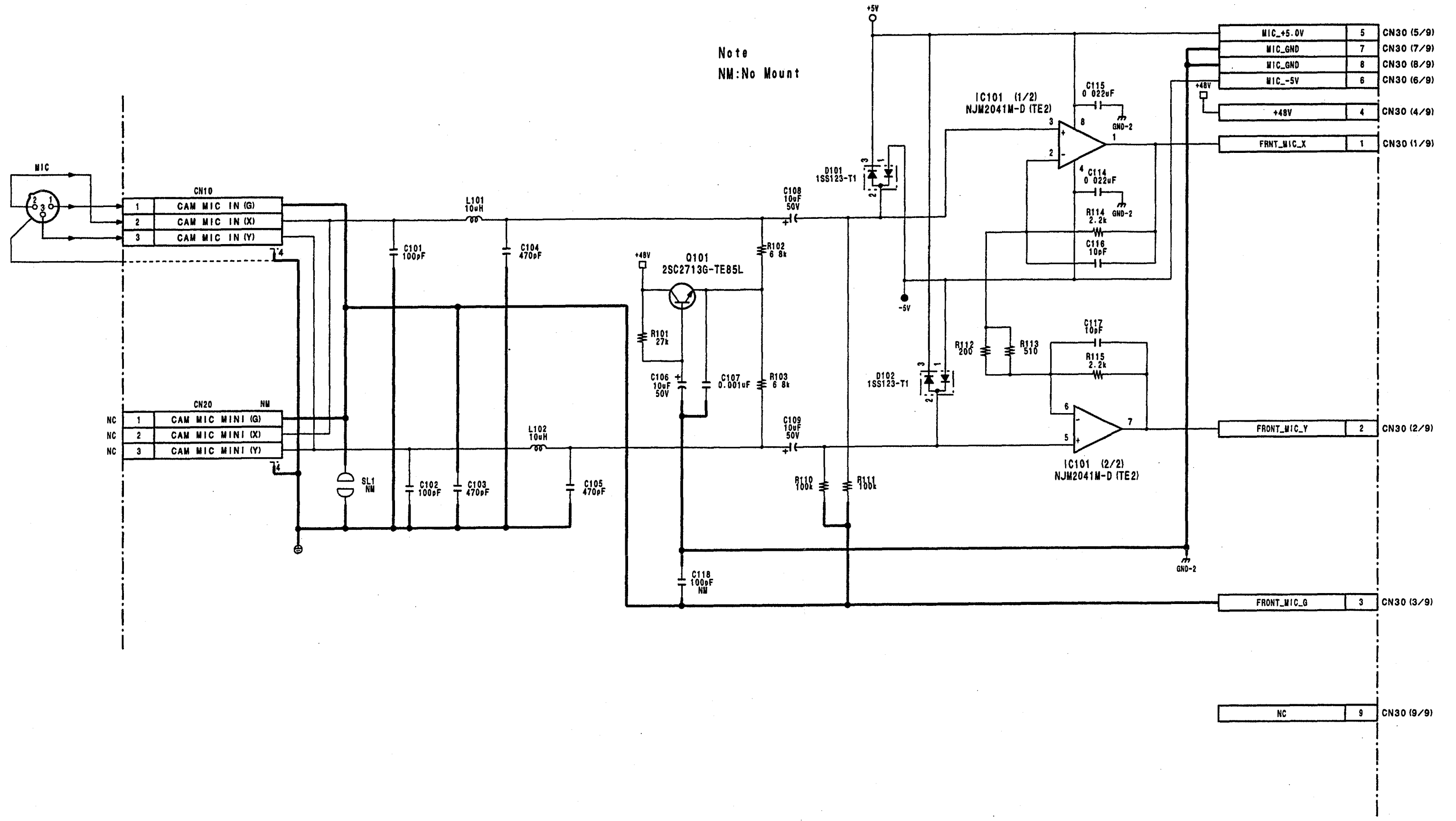
A
B
C
D
E
F
G
H


Note
NM:No Mount
MIC
2 3 1
CN10
1 CAM MIC IN (G)
2 CAM MIC IN (X)
3 CAM MIC IN (Y)
4
CN20 NM
NC 1 CAM MIC MINI (G)
NC 2 CAM MIC MINI (X)
NC 3 CAM MIC MINI (Y)
4
SL1 NM
L101 10uH
L102 10uH
C101 100pF
C102 100pF
C103 470pF
C104 470pF
C105 470pF
+48V
Q101 2SC2713G-TE85L
R101 27k
C106 10uF 50V
C107 0.001uF
R102 6 8k
R103 6 8k
C108 10uF 50V
C109 10uF 50V
C118 100pF NM
R110 100k
R111 100k
+5V
-5V
D101 1SS123-T1
D102 1SS123-T1
IC101 (1/2) NJM2041M-D (TE2)
IC101 (2/2) NJM2041M-D (TE2)
C114 0 022uF
C115 0 022uF
GND-2
R114 2.2k
C116 10pF
R112 200
R113 510
C117 10pF
R115 2.2k
MIC_+5.0V 5 CN30 (5/9)
MIC_GND 7 CN30 (7/9)
MIC_GND 8 CN30 (8/9)
MIC_-5V 6 CN30 (6/9)
+48V 4 CN30 (4/9)
FRNT_MIC_X 1 CN30 (1/9)
FRONT_MIC_Y 2 CN30 (2/9)
FRONT_MIC_G 3 CN30 (3/9)
NC 9 CN30 (9/9)

MA-94
LOT NO. 810-

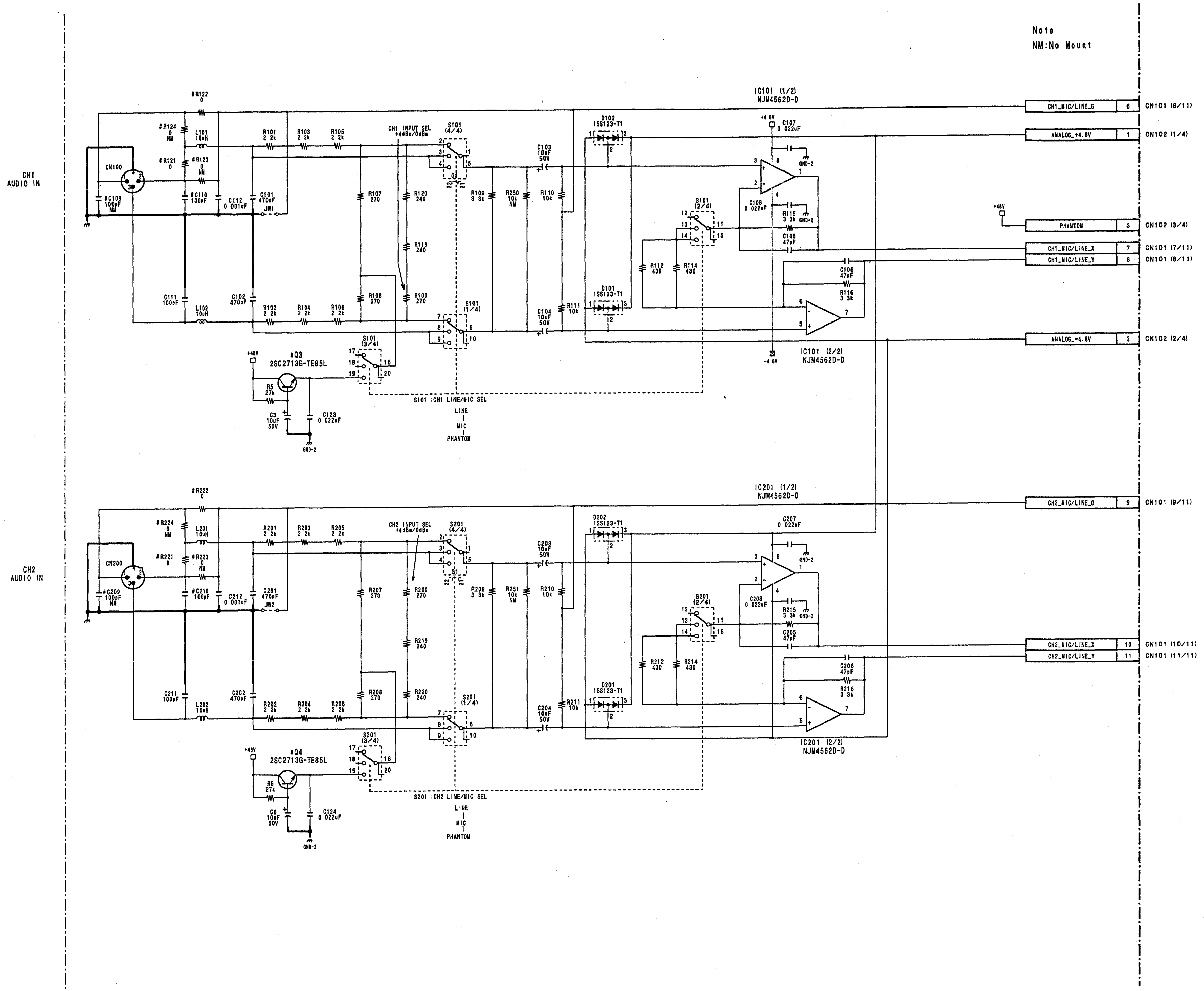
1

2

3

4

5


CH1
AUDIO IN
CN100
#R122
0
#R124
0
NM
#R121
0
#R123
0
NM
L101
10uH
#C109
100pF
NM
#C110
100pF
C112
0 001uF
C101
470pF
JW1
C111
100pF
L102
10uH
C102
470pF
R101
2 2k
R103
2 2k
R105
2 2k
R102
2 2k
R104
2 2k
R106
2 2k
R107
270
R108
270
R120
240
R119
240
R100
270
CH1 INPUT SEL
+4dBm/0dBm
S101
(4/4)
S101
(1/4)
S101
(3/4)
S101
(2/4)
+48V
#Q3
2SC2713G-TE85L
R5
27k
C3
10uF
50V
C123
0 022uF
GND-2
S101 :CH1 LINE/MIC SEL
LINE
MIC
PHANTOM
R109
3 3k
R250
10k
NM
R110
10k
R111
10k
C103
10uF
50V
C104
10uF
50V
D102
1SS123-T1
D101
1SS123-T1
R112
430
R114
430
IC101 (1/2)
NJM4562D-D
IC101 (2/2)
NJM4562D-D
+4 8V
-4 8V
C107
0 022uF
C108
0 022uF
R115
3 3k
C105
47pF
C106
47pF
R116
3 3k
Note
NM:No Mount
CH1_MIC/LINE_G
6
CN101 (6/11)
ANALOG_+4.8V
1
CN102 (1/4)
+48V
PHANTOM
3
CN102 (3/4)
CH1_MIC/LINE_X
7
CN101 (7/11)
CH1_MIC/LINE_Y
8
CN101 (8/11)
ANALOG_-4.8V
2
CN102 (2/4)
CH2
AUDIO IN
CN200
#R222
0
#R224
0
NM
#R221
0
#R223
0
NM
L201
10uH
#C209
100pF
NM
#C210
100pF
C212
0 001uF
C201
470pF
JW2
C211
100pF
L202
10uH
C202
470pF
R201
2 2k
R203
2 2k
R205
2 2k
R202
2 2k
R204
2 2k
R206
2 2k
R207
270
R208
270
R200
270
R219
240
R220
240
CH2 INPUT SEL
+4dBm/0dBm
S201
(4/4)
S201
(1/4)
S201
(3/4)
S201
(2/4)
#Q4
2SC2713G-TE85L
R6
27k
C6
10uF
50V
C124
0 022uF
GND-2
S201 :CH2 LINE/MIC SEL
LINE
MIC
PHANTOM
R209
3 3k
R251
10k
NM
R210
10k
R211
10k
C203
10uF
50V
C204
10uF
50V
D202
1SS123-T1
D201
1SS123-T1
R212
430
R214
430
IC201 (1/2)
NJM4562D-D
IC201 (2/2)
NJM4562D-D
C207
0 022uF
C208
0 022uF
R215
3 3k
C205
47pF
C206
47pF
R216
3 3k
CH2_MIC/LINE_G
9
CN101 (9/11)
CH2_MIC/LINE_X
10
CN101 (10/11)
CH2_MIC/LINE_Y
11
CN101 (11/11)

NOTE
#

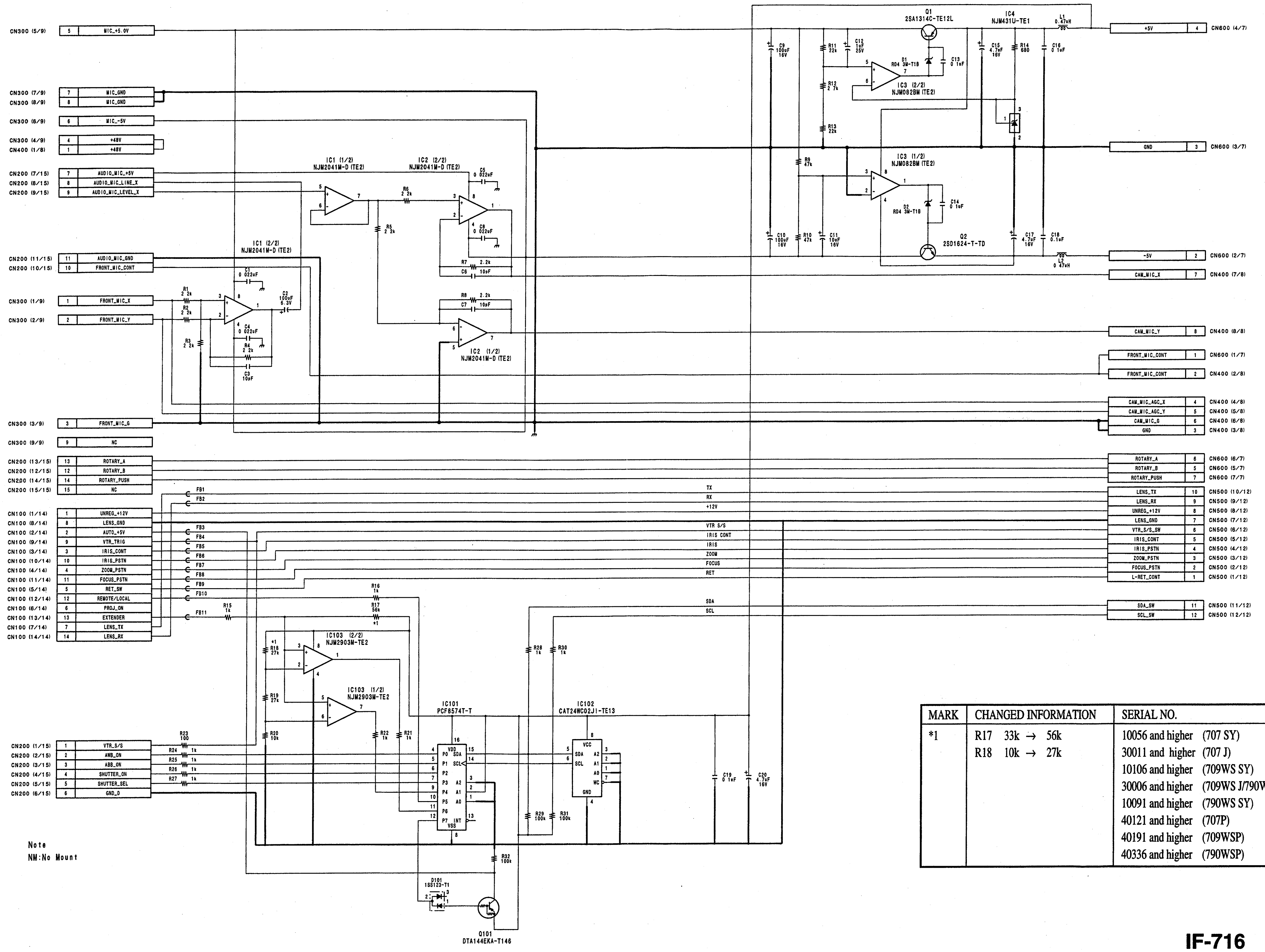
	AXM-21	AXM-21B
R121	0	:N'M
R122	0	:N'M
R123	:N'M	0
R124	:N'M	0
R221	0	:N'M
R222	0	:N'M
R223	:N'M	0
R224	:N'M	0
C109	:N'M	100P
C110	100P	:N'M
C209	:N'M	100P
C210	100P	:N'M
Q3	2CS2713G	:N'M
Q4	2SC2713G	:N'M

AXM-21
(Except DVW-790WS/709WS/707 (J))

AXM-21B
(For DVW-790WS/709WS/707 (J))

LOT NO. 810-

A B C D E F G H


CN300 (5/9) 5 MIC_+5.0V
CN300 (7/9) 7 MIC_GND
CN300 (8/9) 8 MIC_GND
CN300 (6/9) 6 MIC_-5V
CN300 (4/9) 4 +48V
CN400 (1/8) 1 +48V
CN200 (7/15) 7 AUDIO_MIC_+5V
CN200 (8/15) 8 AUDIO_MIC_LINE_X
CN200 (9/15) 9 AUDIO_MIC_LEVEL_X
CN200 (11/15) 11 AUDIO_MIC_GND
CN200 (10/15) 10 FRONT_MIC_CONT
CN300 (1/9) 1 FRONT_MIC_X
CN300 (2/9) 2 FRONT_MIC_Y
CN300 (3/9) 3 FRONT_MIC_G
CN300 (9/9) 9 NC
CN200 (13/15) 13 ROTARY_A
CN200 (12/15) 12 ROTARY_B
CN200 (14/15) 14 ROTARY_PUSH
CN200 (15/15) 15 NC
CN100 (1/14) 1 UNREG_+12V
CN100 (8/14) 8 LENS_GND
CN100 (2/14) 2 AUTO_+5V
CN100 (9/14) 9 VTR_TRIG
CN100 (3/14) 3 IRIS_CONT
CN100 (10/14) 10 IRIS_PSTN
CN100 (4/14) 4 ZOOM_PSTN
CN100 (11/14) 11 FOCUS_PSTN
CN100 (5/14) 5 RET_SW
CN100 (12/14) 12 REMOTE/LOCAL
CN100 (6/14) 6 PROJ_ON
CN100 (13/14) 13 EXTENDER
CN100 (7/14) 7 LENS_TX
CN100 (14/14) 14 LENS_RX
CN200 (1/15) 1 VTR_S/S
CN200 (2/15) 2 AMB_ON
CN200 (3/15) 3 ABB_ON
CN200 (4/15) 4 SHUTTER_ON
CN200 (5/15) 5 SHUTTER_SEL
CN200 (6/15) 6 GND_D
IC1 (1/2) NJM2041M-D (TE2)
IC1 (2/2) NJM2041M-D (TE2)
IC2 (2/2) NJM2041M-D (TE2)
IC2 (1/2) NJM2041M-D (TE2)
R1 2 2k
R2 2 2k
R3 2 2k
R4 2 2k
R5 2 2k
R6 2 2k
R7 2 2k
R8 2 2k
C1 0 022uF
C2 100uF 6.3V
C3 10pF
C4 0 022uF
C5 0 022uF
C6 10pF
C7 10pF
C8 0 022uF
Q1 2SA1314C-TE12L
IC4 NJM431U-TE1
L1 0 47uH
L2 0 47uH
C9 100uF 16V
R11 22k
C12 1uF 25V
D1 RD4 3M-T1B
C13 0 1uF
C15 4.7uF 16V
R14 680
C16 0 1uF
R12 2 7k
IC3 (2/2) NJM082BM (TE2)
R13 22k
R9 47k
IC3 (1/2) NJM082BM (TE2)
C14 0 1uF
D2 RD4 3M-T1B
C10 100uF 16V
R10 47k
C11 10uF 16V
Q2 2SD1624-T-TD
C17 4.7uF 16V
C18 0.1uF
+5V 4 CN600 (4/7)
GND 3 CN600 (3/7)
-5V 2 CN600 (2/7)
CAM_MIC_X 7 CN400 (7/8)
CAM_MIC_Y 8 CN400 (8/8)
FRONT_MIC_CONT 1 CN600 (1/7)
FRONT_MIC_CONT 2 CN400 (2/8)
CAM_MIC_AGC_X 4 CN400 (4/8)
CAM_MIC_AGC_Y 5 CN400 (5/8)
CAM_MIC_G 6 CN400 (6/8)
GND 3 CN400 (3/8)
ROTARY_A 6 CN600 (6/7)
ROTARY_B 5 CN600 (5/7)
ROTARY_PUSH 7 CN600 (7/7)
LENS_TX 10 CN500 (10/12)
LENS_RX 9 CN500 (9/12)
UNREG_+12V 8 CN500 (8/12)
LENS_GND 7 CN500 (7/12)
VTR_S/S_SW 6 CN500 (6/12)
IRIS_CONT 5 CN500 (5/12)
IRIS_PSTN 4 CN500 (4/12)
ZOOM_PSTN 3 CN500 (3/12)
FOCUS_PSTN 2 CN500 (2/12)
L-RET_CONT 1 CN500 (1/12)
SDA_SW 11 CN500 (11/12)
SCL_SW 12 CN500 (12/12)
TX
RX
+12V
VTR S/S
IRIS CONT
IRIS
ZOOM
FOCUS
RET
SDA
SCL
FB1
FB2
FB3
FB4
FB5
FB6
FB7
FB8
FB9
FB10
FB11
R15 1k
R16 1k
R17 56k *1
*1 R18 27k
R19 27k
R20 10k
R21 1k
R22 1k
R23 100
R24 1k
R25 1k
R26 1k
R27 1k
R28 1k
R29 100k
R30 1k
R31 100k
R32 100k
IC103 (2/2) NJM2903M-TE2
IC103 (1/2) NJM2903M-TE2
IC101 PCF8574T-T
IC102 CAT24WC02JI-TE13
C19 0 1uF
C20 4.7uF 16V
D101 1SS123-T1
Q101 DTA144EKA-T146
Note
NM:No Mount
1
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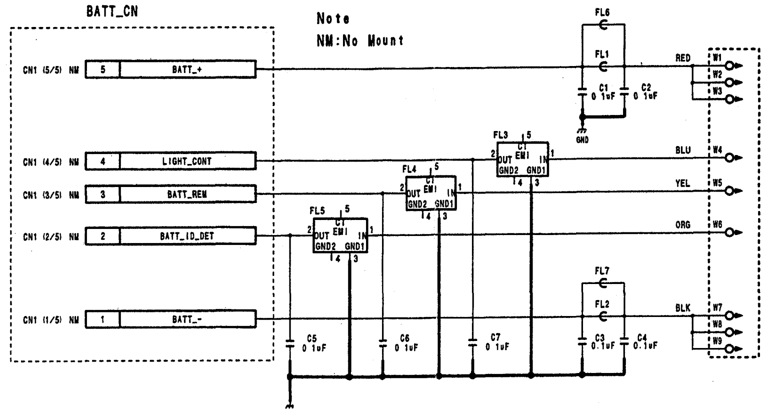
MARK	CHANGED INFORMATION	SERIAL NO.
*1	R17 33k → 56k R18 10k → 27k	10056 and higher (707 SY) 30011 and higher (707 J) 10106 and higher (709WS SY) 30006 and higher (709WS J/790WS J) 10091 and higher (790WS SY) 40121 and higher (707P) 40191 and higher (709WSP) 40336 and higher (790WSP)

IF-716

LOT NO. 810-

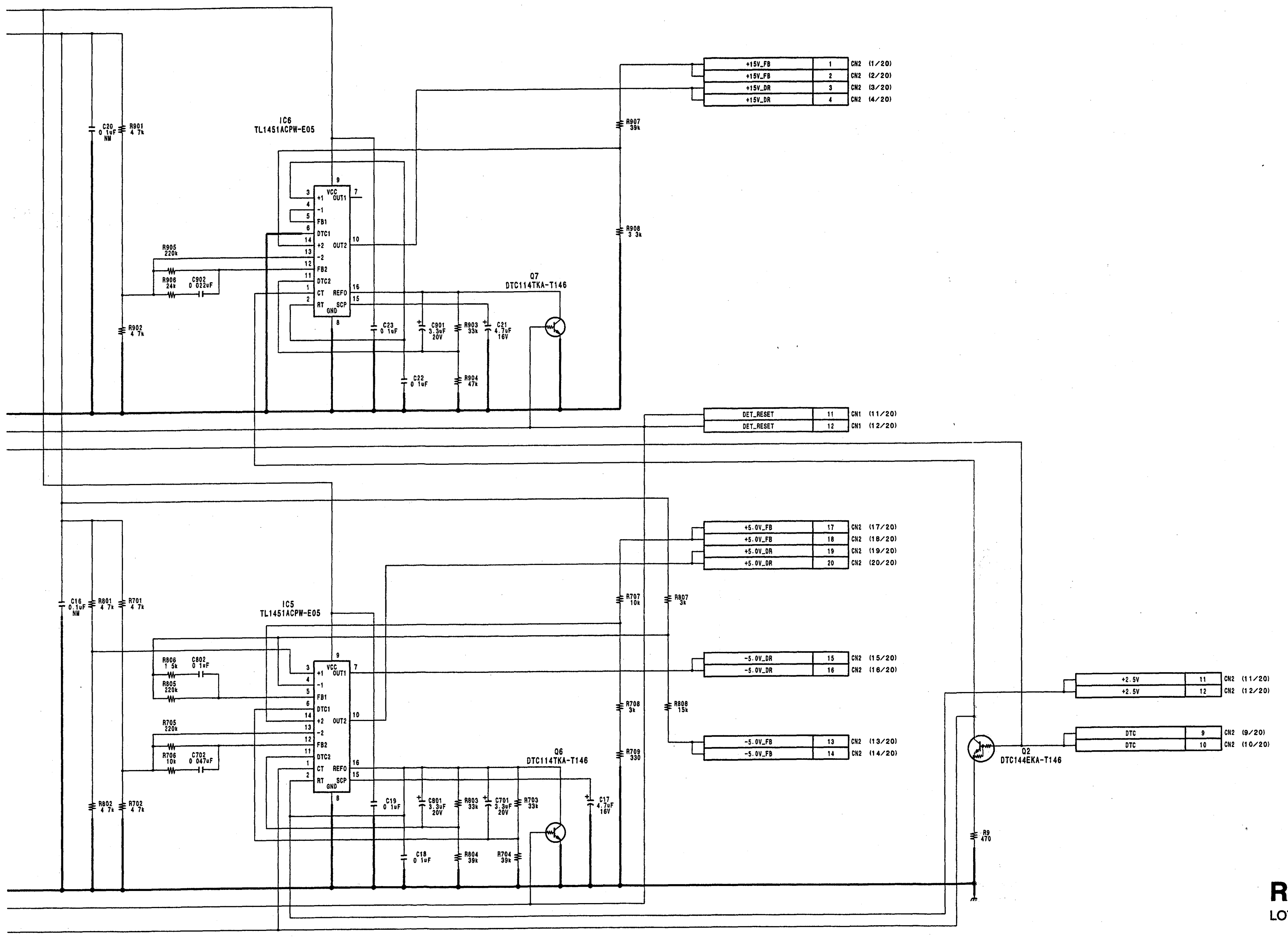

BATT_CN
CN1 (5/5) NM
5
BATT_+
CN1 (4/5) NM
4
LIGHT_CONT
CN1 (3/5) NM
3
BATT_REM
CN1 (2/5) NM
2
BATT_ID_DET
CN1 (1/5) NM
1
BATT_-
FL6
FL1
C1
0 1uF
C2
0 1uF
GND
FL3
FL4
FL5
CT
EMI
OUT
IN
GND2
GND1
1
2
3
4
5
FL7
FL2
C3
0.1uF
C4
0.1uF
C5
0 1uF
C6
0 1uF
C7
0 1uF
RED
BLU
YEL
ORG
BLK
W1
W2
W3
W4
W5
W6
W7
W8
W9

Note
NM:No Mount

DC-101

LOT NO. 810-

RE-161


+15V_FB 1 CN2 (1/20)
+15V_FB 2 CN2 (2/20)
+15V_DR 3 CN2 (3/20)
+15V_DR 4 CN2 (4/20)
IC6
TL1451ACPW-E05
VCC
OUT1
+1
-1
FB1
DTC1
+2
OUT2
-2
FB2
DTC2
CT
REFO
RT
SCP
GND
C20 0 1uF NM
R901 4 7k
R902 4 7k
R905 220k
R906 24k
C902 0 022uF
C23 0 1uF
C22 0 1uF
C901 3.3uF 20V
R903 33k
R904 47k
C21 4.7uF 16V
Q7
DTC114TKA-T146
R907 39k
R908 3 3k
DET_RESET 11 CN1 (11/20)
DET_RESET 12 CN1 (12/20)
+5.0V_FB 17 CN2 (17/20)
+5.0V_FB 18 CN2 (18/20)
+5.0V_DR 19 CN2 (19/20)
+5.0V_DR 20 CN2 (20/20)
-5.0V_DR 15 CN2 (15/20)
-5.0V_DR 16 CN2 (16/20)
-5.0V_FB 13 CN2 (13/20)
-5.0V_FB 14 CN2 (14/20)
IC5
TL1451ACPW-E05
C16 0.1uF NM
R801 4 7k
R701 4 7k
R802 4 7k
R702 4 7k
R806 1 5k
C802 0 1uF
R805 220k
R705 220k
R706 10k
C702 0 047uF
C19 0 1uF
C18 0 1uF
C801 3.3uF 20V
R803 33k
R804 39k
C701 3.3uF 20V
R703 33k
R704 39k
C17 4.7uF 16V
Q6
DTC114TKA-T146
R707 10k
R708 3k
R709 330
R807 3k
R808 15k
Q2
DTC144EKA-T146
R9 470
+2.5V 11 CN2 (11/20)
+2.5V 12 CN2 (12/20)
DTC 9 CN2 (9/20)
DTC 10 CN2 (10/20)
1
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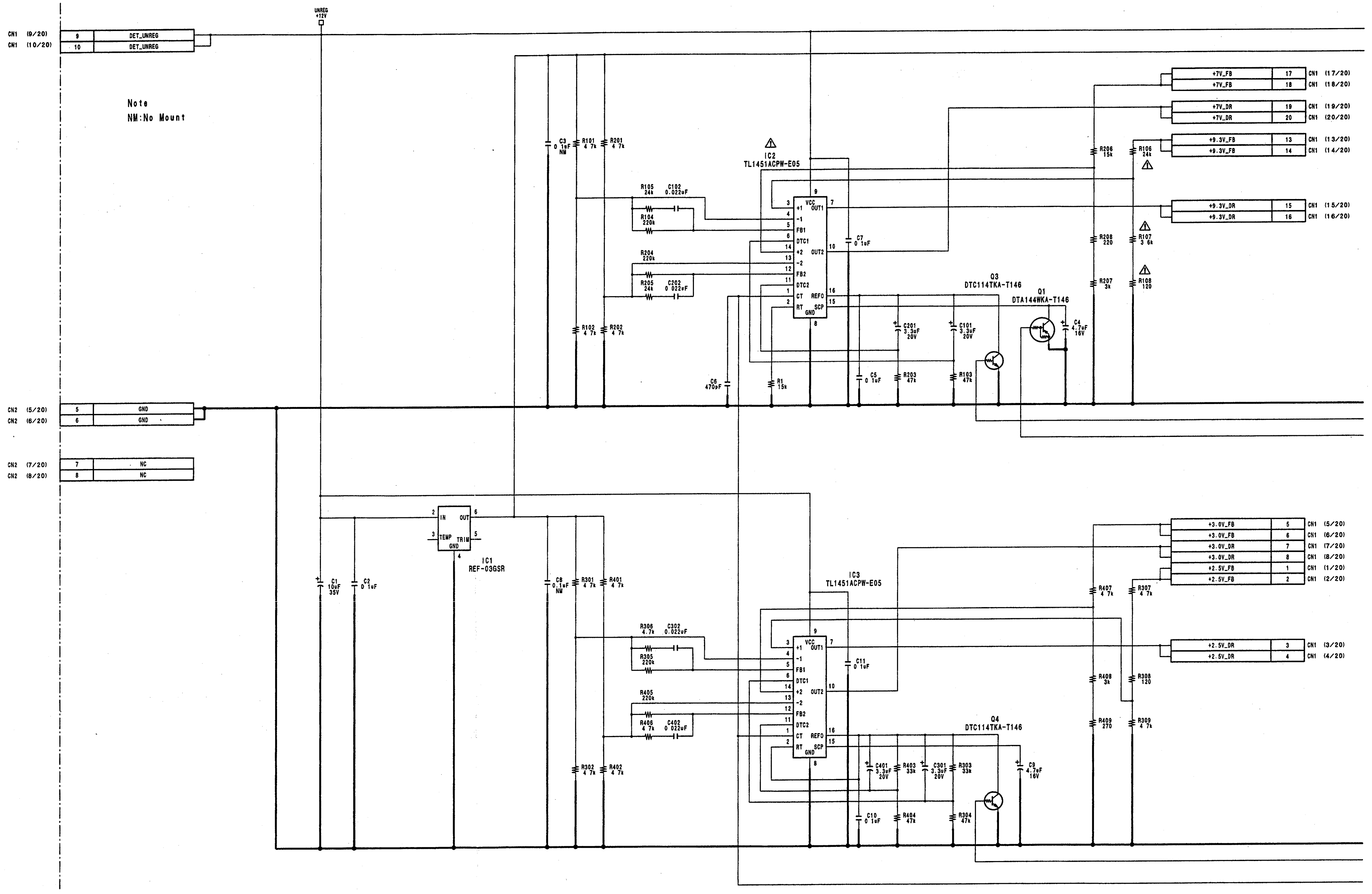
I
J
K
L
M
N
O
P

RE-161
LOT NO. 810-

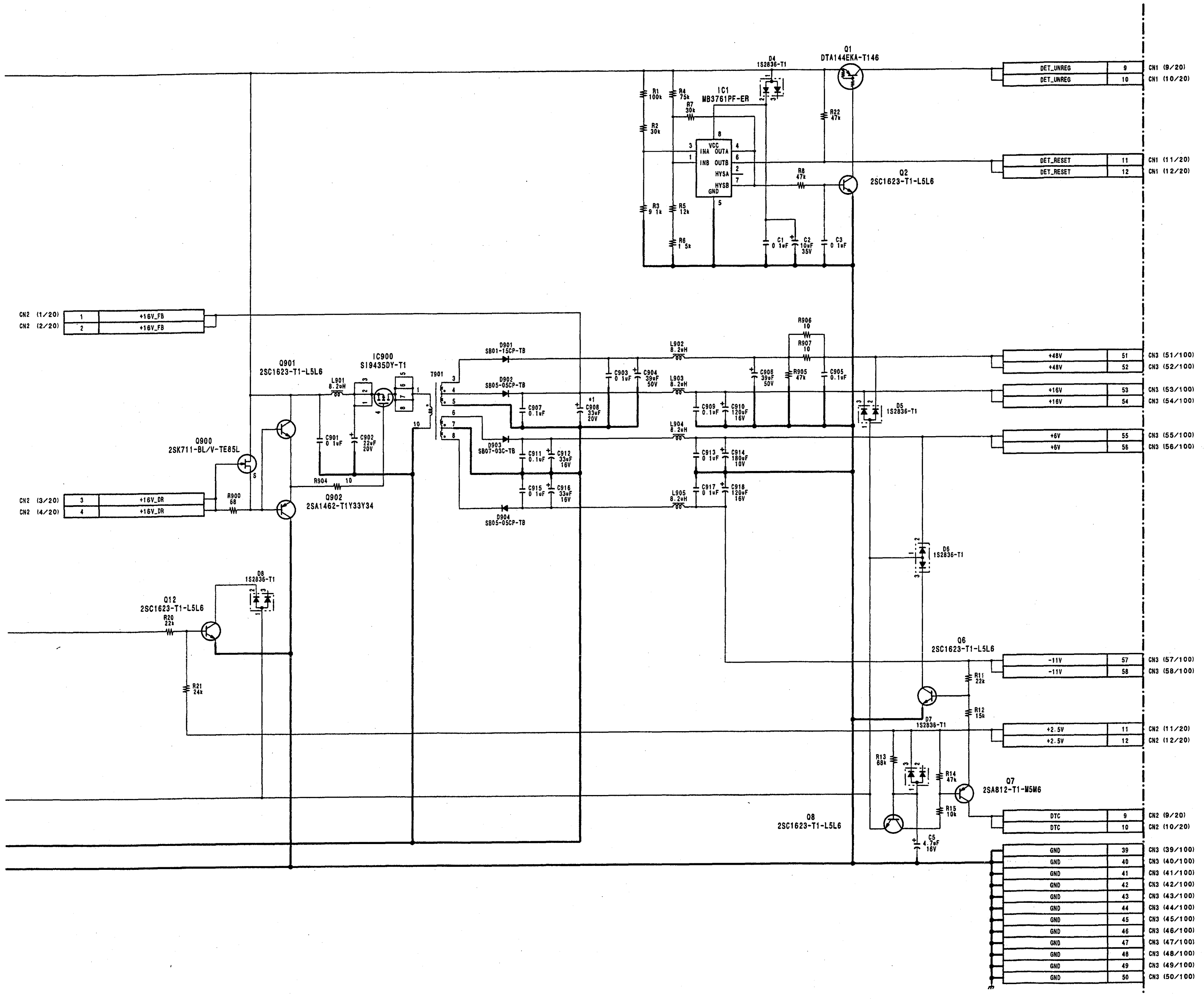
4-101


CN1 (9/20) 9 DET_UNREG
CN1 (10/20) 10 DET_UNREG
UNREG +12V
CN2 (5/20) 5 GND
CN2 (6/20) 6 GND
CN2 (7/20) 7 NC
CN2 (8/20) 8 NC
C3 0 1uF NM
R101 4 7k
R201 4 7k
IC2 TL1451ACPW-E05
R105 24k
C102 0.022uF
R104 220k
R204 220k
R205 24k
C202 0 022uF
VCC +1 -1 FB1 DTC1 +2 -2 FB2 DTC2 CT RT GND OUT1 OUT2 REFO SCP
3 4 5 6 14 13 12 11 1 2 9 7 10 16 15 8
C7 0 1uF
R102 4 7k
R202 4 7k
C6 470pF
R1 15k
C5 0 1uF
C201 3.3uF 20V
R203 47k
C101 3.3uF 20V
R103 47k
Q3 DTC114TKA-T146
Q1 DTA144WKA-T146
C4 4.7uF 16V
R206 15k
R208 220
R207 3k
R106 24k
R107 3 6k
R108 120
+7V_FB 17 CN1 (17/20)
+7V_FB 18 CN1 (18/20)
+7V_DR 19 CN1 (19/20)
+7V_DR 20 CN1 (20/20)
+9.3V_FB 13 CN1 (13/20)
+9.3V_FB 14 CN1 (14/20)
+9.3V_DR 15 CN1 (15/20)
+9.3V_DR 16 CN1 (16/20)
IC1 REF-03GSR
IN OUT TEMP TRIM GND
2 6 3 5 4
C1 10uF 35V
C2 0 1uF
C8 0.1uF NM
R301 4 7k
R401 4 7k
R306 4.7k
C302 0.022uF
R305 220k
R405 220k
R406 4 7k
C402 0 022uF
R302 4 7k
R402 4 7k
IC3 TL1451ACPW-E05
C11 0 1uF
C401 3.3uF 20V
R403 33k
C301 3.3uF 20V
R303 33k
C10 0 1uF
R404 47k
R304 47k
Q4 DTC114TKA-T146
C9 4.7uF 16V
R407 4 7k
R408 3k
R409 270
R307 4 7k
R308 120
R309 4 7k
+3.0V_FB 5 CN1 (5/20)
+3.0V_FB 6 CN1 (6/20)
+3.0V_DR 7 CN1 (7/20)
+3.0V_DR 8 CN1 (8/20)
+2.5V_FB 1 CN1 (1/20)
+2.5V_FB 2 CN1 (2/20)
+2.5V_DR 3 CN1 (3/20)
+2.5V_DR 4 CN1 (4/20)

Note
NM:No Mount

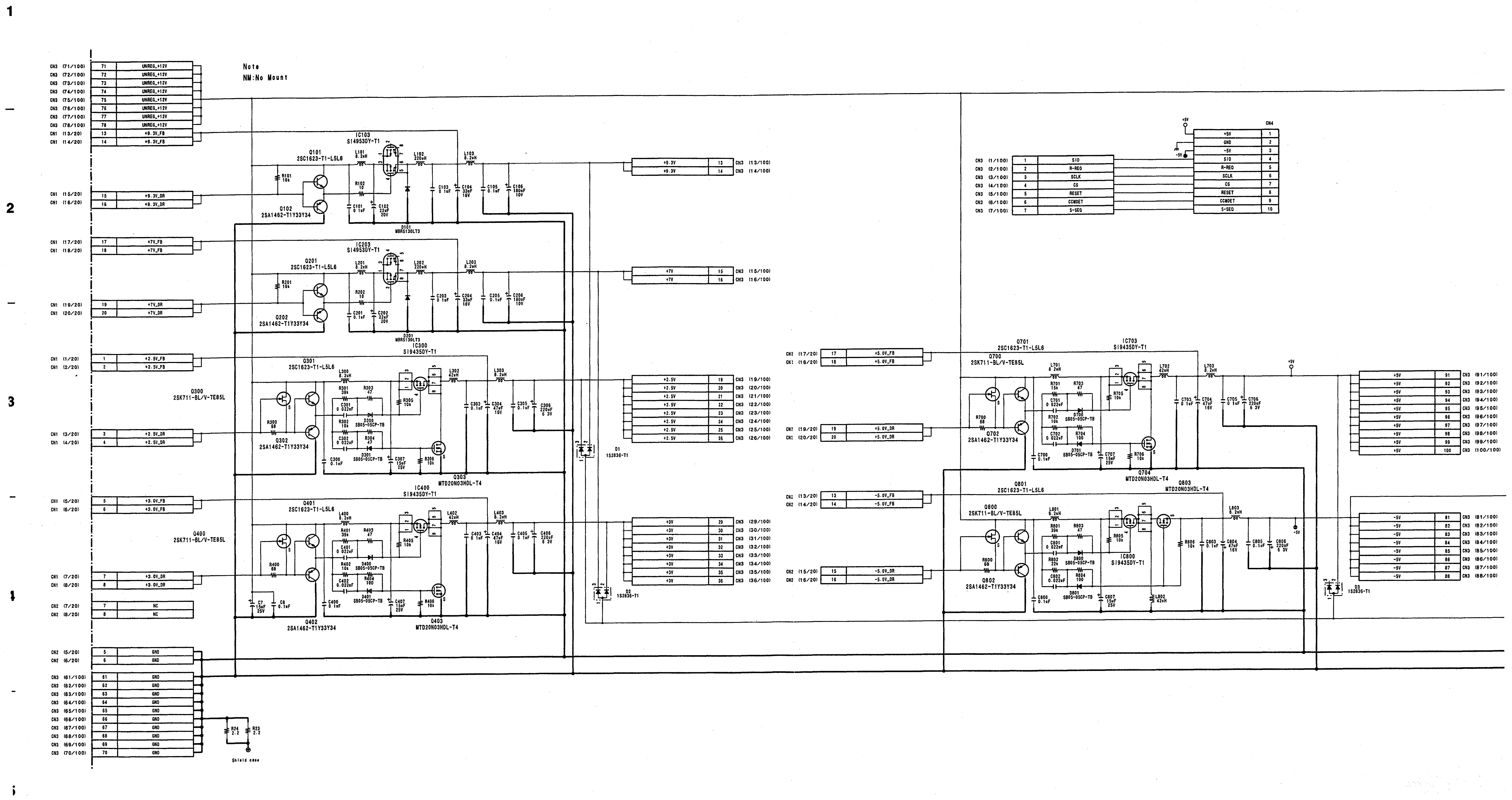
RE-160

MARK	CHANGED INFORMATION	SERIAL NO.
*1	C908 33uF/16V → 33uF/20V	10056 and higher (707 SY) 30011 and higher (707 J/709WS J/790WS J) 10126 and higher (709WS SY) 10161 and higher (790WS SY) 40191 and higher (707P) 40256 and higher (709WSP) 40511 and higher (790WSP)


Q1
DTA144EKA-T146
D4
1S2836-T1
IC1
MB3761PF-ER
R1 100k
R4 75k
R7 30k
R2 30k
R3 9 1k
R5 12k
R6 1 5k
VCC
INA
INB
OUTA
OUTB
HYSA
HYSB
GND
R22 47k
R8 47k
Q2
2SC1623-T1-L5L6
C1 0 1uF
C2 10uF 35V
C3 0 1uF
DET_UNREG 9 CN1 (9/20)
DET_UNREG 10 CN1 (10/20)
DET_RESET 11 CN1 (11/20)
DET_RESET 12 CN1 (12/20)
CN2 (1/20) 1 +16V_FB
CN2 (2/20) 2 +16V_FB
CN2 (3/20) 3 +16V_DR
CN2 (4/20) 4 +16V_DR
Q900
2SK711-BL/V-TE85L
Q901
2SC1623-T1-L5L6
Q902
2SA1462-T1Y33Y34
R900 68
R904 10
L901 8.2uH
IC900
SI9435DY-T1
C901 0 1uF
C902 22uF 20V
T901
D901
SB01-15CP-TB
D902
SB05-05CP-TB
D903
SB07-03C-TB
D904
SB05-05CP-TB
C903 0 1uF
C904 39uF 50V
C907 0.1uF
*1
C908 33uF 20V
C911 0.1uF
C912 33uF 16V
C915 0 1uF
C916 33uF 16V
L902 8.2uH
L903 8.2uH
L904 8.2uH
L905 8.2uH
C909 0.1uF
C910 120uF 16V
C913 0 1uF
C914 180uF 10V
C917 0 1uF
C918 120uF 16V
C906 39uF 50V
R905 47k
R906 10
R907 10
C905 0.1uF
D5
1S2836-T1
D6
1S2836-T1
D7
1S2836-T1
+48V 51 CN3 (51/100)
+48V 52 CN3 (52/100)
+16V 53 CN3 (53/100)
+16V 54 CN3 (54/100)
+6V 55 CN3 (55/100)
+6V 56 CN3 (56/100)
Q12
2SC1623-T1-L5L6
R20 22k
R21 24k
D8
1S2836-T1
Q6
2SC1623-T1-L5L6
R11 22k
R12 15k
R13 68k
R14 47k
R15 10k
Q7
2SA812-T1-M5M6
Q8
2SC1623-T1-L5L6
C5 4.7uF 16V
-11V 57 CN3 (57/100)
-11V 58 CN3 (58/100)
+2.5V 11 CN2 (11/20)
+2.5V 12 CN2 (12/20)
DTC 9 CN2 (9/20)
DTC 10 CN2 (10/20)
GND 39 CN3 (39/100)
GND 40 CN3 (40/100)
GND 41 CN3 (41/100)
GND 42 CN3 (42/100)
GND 43 CN3 (43/100)
GND 44 CN3 (44/100)
GND 45 CN3 (45/100)
GND 46 CN3 (46/100)
GND 47 CN3 (47/100)
GND 48 CN3 (48/100)
GND 49 CN3 (49/100)
GND 50 CN3 (50/100)

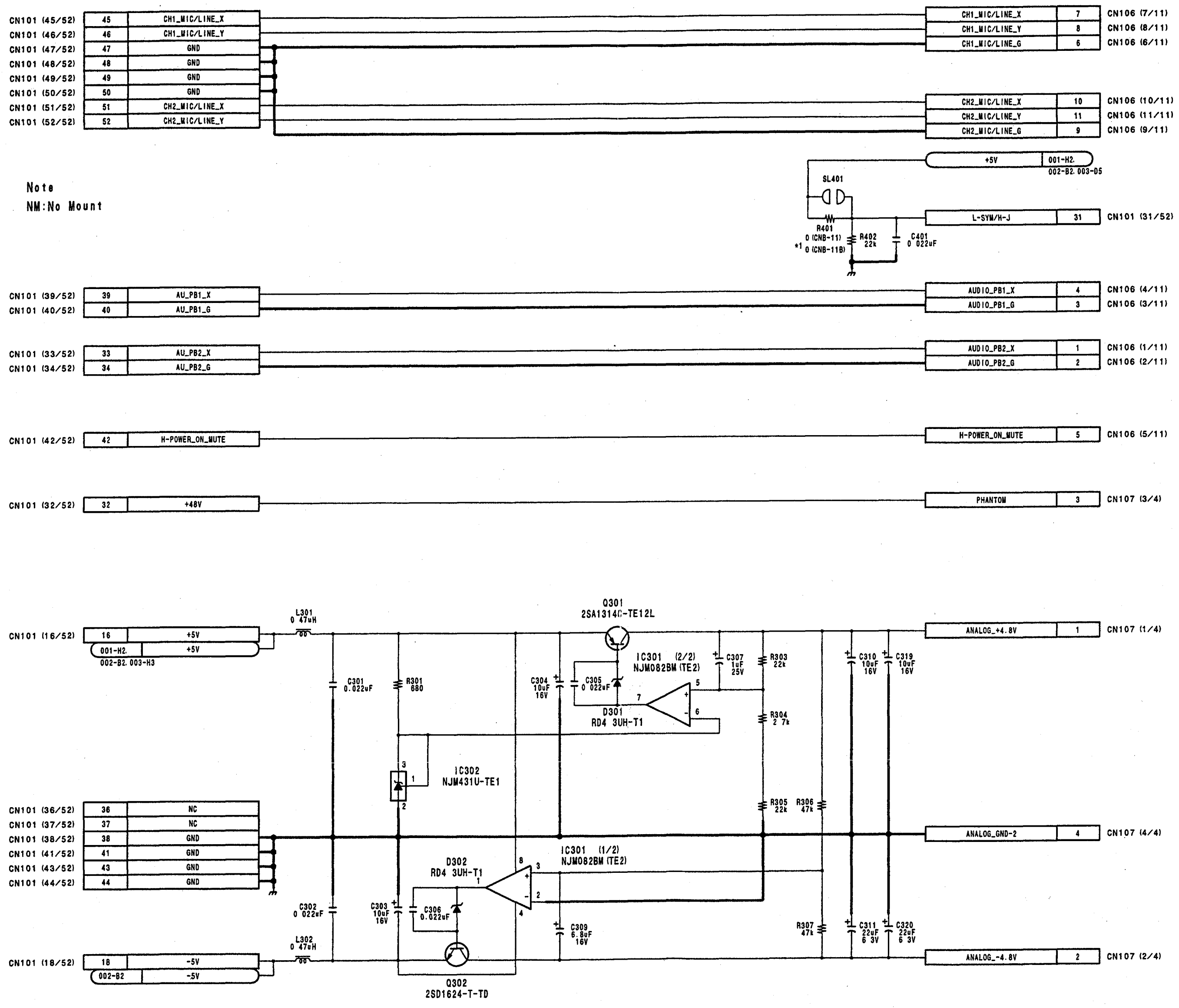
RE-160
LOT NO. 810-

RE-160


Note
NM:No Mount
UNREG_+12V
+9.3V_FB
+9.3V_DR
+7V_FB
+7V_DR
+2.5V_FB
+2.5V_DR
+3.0V_FB
+3.0V_DR
NC
GND
IC103
SI4953DY-T1
Q101
2SC1623-T1-L5L6
Q102
2SA1462-T1Y33Y34
D101
MBRS130LT3
IC203
SI4953DY-T1
Q201
2SC1623-T1-L5L6
Q202
2SA1462-T1Y33Y34
D201
MBRS130LT3
IC300
SI9435DY-T1
Q300
2SK711-BL/V-TE85L
Q301
2SC1623-T1-L5L6
Q302
2SA1462-T1Y33Y34
Q303
MTD20N03HDL-T4
IC400
SI9435DY-T1
Q400
2SK711-BL/V-TE85L
Q401
2SC1623-T1-L5L6
Q402
2SA1462-T1Y33Y34
Q403
MTD20N03HDL-T4
D1
1S2836-T1
D2
1S2836-T1
+9.3V
+7V
+2.5V
+3V
+5.0V_FB
+5.0V_DR
-5.0V_FB
-5.0V_DR
SIO
R-REQ
SCLK
CS
RESET
CCMDET
S-SEQ
CN4
+5V
-5V
IC703
SI9435DY-T1
Q700
2SK711-BL/V-TE85L
Q701
2SC1623-T1-L5L6
Q702
2SA1462-T1Y33Y34
Q704
MTD20N03HDL-T4
IC800
SI9435DY-T1
Q800
2SK711-BL/V-TE85L
Q801
2SC1623-T1-L5L6
Q802
2SA1462-T1Y33Y34
Q803
MTD20N03HDL-T4
D3
1S2836-T1
Shield case
1
2
3
4
5
A
B
C
D
E
F
G
H

4-98

CNB-11/11B (3/3)


CN101 (45/52) 45 CH1_MIC/LINE_X
CN101 (46/52) 46 CH1_MIC/LINE_Y
CN101 (47/52) 47 GND
CN101 (48/52) 48 GND
CN101 (49/52) 49 GND
CN101 (50/52) 50 GND
CN101 (51/52) 51 CH2_MIC/LINE_X
CN101 (52/52) 52 CH2_MIC/LINE_Y
CH1_MIC/LINE_X 7 CN106 (7/11)
CH1_MIC/LINE_Y 8 CN106 (8/11)
CH1_MIC/LINE_G 6 CN106 (6/11)
CH2_MIC/LINE_X 10 CN106 (10/11)
CH2_MIC/LINE_Y 11 CN106 (11/11)
CH2_MIC/LINE_G 9 CN106 (9/11)
+5V 001-H2.
002-B2. 003-D5
SL401
R401
0 (CNB-11)
*1 0 (CNB-11B)
R402 22k
C401 0 022uF
L-SYM/H-J 31 CN101 (31/52)
Note
NM:No Mount
CN101 (39/52) 39 AU_PB1_X
CN101 (40/52) 40 AU_PB1_G
AUDIO_PB1_X 4 CN106 (4/11)
AUDIO_PB1_G 3 CN106 (3/11)
CN101 (33/52) 33 AU_PB2_X
CN101 (34/52) 34 AU_PB2_G
AUDIO_PB2_X 1 CN106 (1/11)
AUDIO_PB2_G 2 CN106 (2/11)
CN101 (42/52) 42 H-POWER_ON_MUTE
H-POWER_ON_MUTE 5 CN106 (5/11)
CN101 (32/52) 32 +48V
PHANTOM 3 CN107 (3/4)
CN101 (16/52) 16 +5V
001-H2. +5V
002-B2. 003-H3
L301 0 47uH
C301 0.022uF
R301 680
Q301
2SA1314C-TE12L
C304 10uF 16V
C305 0 022uF
D301
RD4 3UH-T1
IC301 (2/2)
NJM082BM (TE2)
C307 1uF 25V
R303 22k
R304 2 7k
C310 10uF 16V
C319 10uF 16V
ANALOG_+4.8V 1 CN107 (1/4)
IC302
NJM431U-TE1
R305 22k
R306 47k
CN101 (36/52) 36 NC
CN101 (37/52) 37 NC
CN101 (38/52) 38 GND
CN101 (41/52) 41 GND
CN101 (43/52) 43 GND
CN101 (44/52) 44 GND
ANALOG_GND-2 4 CN107 (4/4)
D302
RD4 3UH-T1
IC301 (1/2)
NJM082BM (TE2)
C302 0 022uF
C303 10uF 16V
C306 0.022uF
C309 6.8uF 16V
R307 47k
C311 22uF 6 3V
C320 22uF 6 3V
L302 0 47uH
CN101 (18/52) 18 -5V
002-B2 -5V
Q302
2SD1624-T-TD
ANALOG_-4.8V 2 CN107 (2/4)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	R401 ADDED	30011 and higher (707 J/790WS J) 30015 and higher (709WS J)

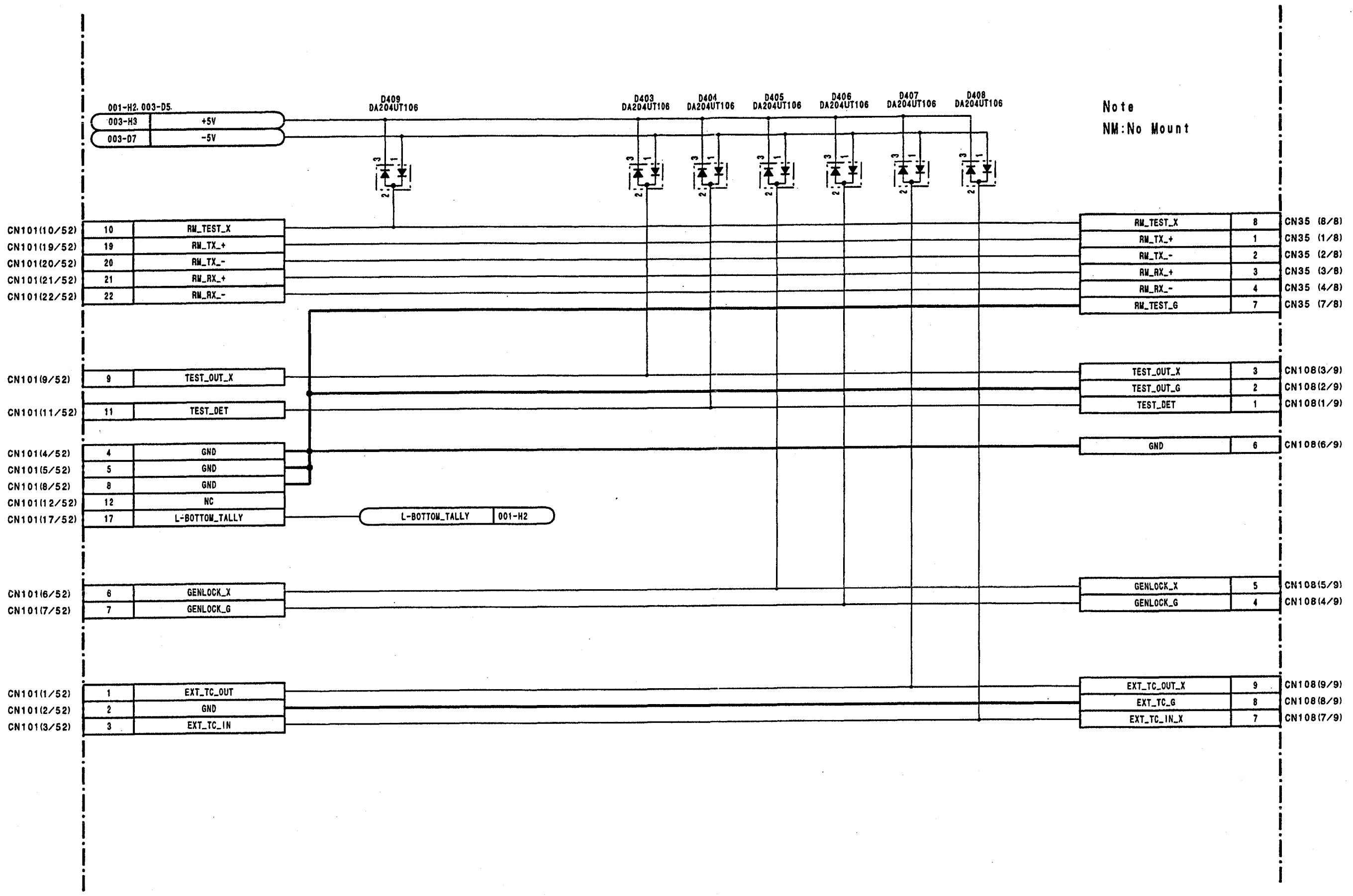
CNB-11 (3/3)

(except DVW-790WS/709WS/707 (J))

CNB-11B (3/3)

(for DVW-790WS/709WS/707 (J))
LOT NO. 810-

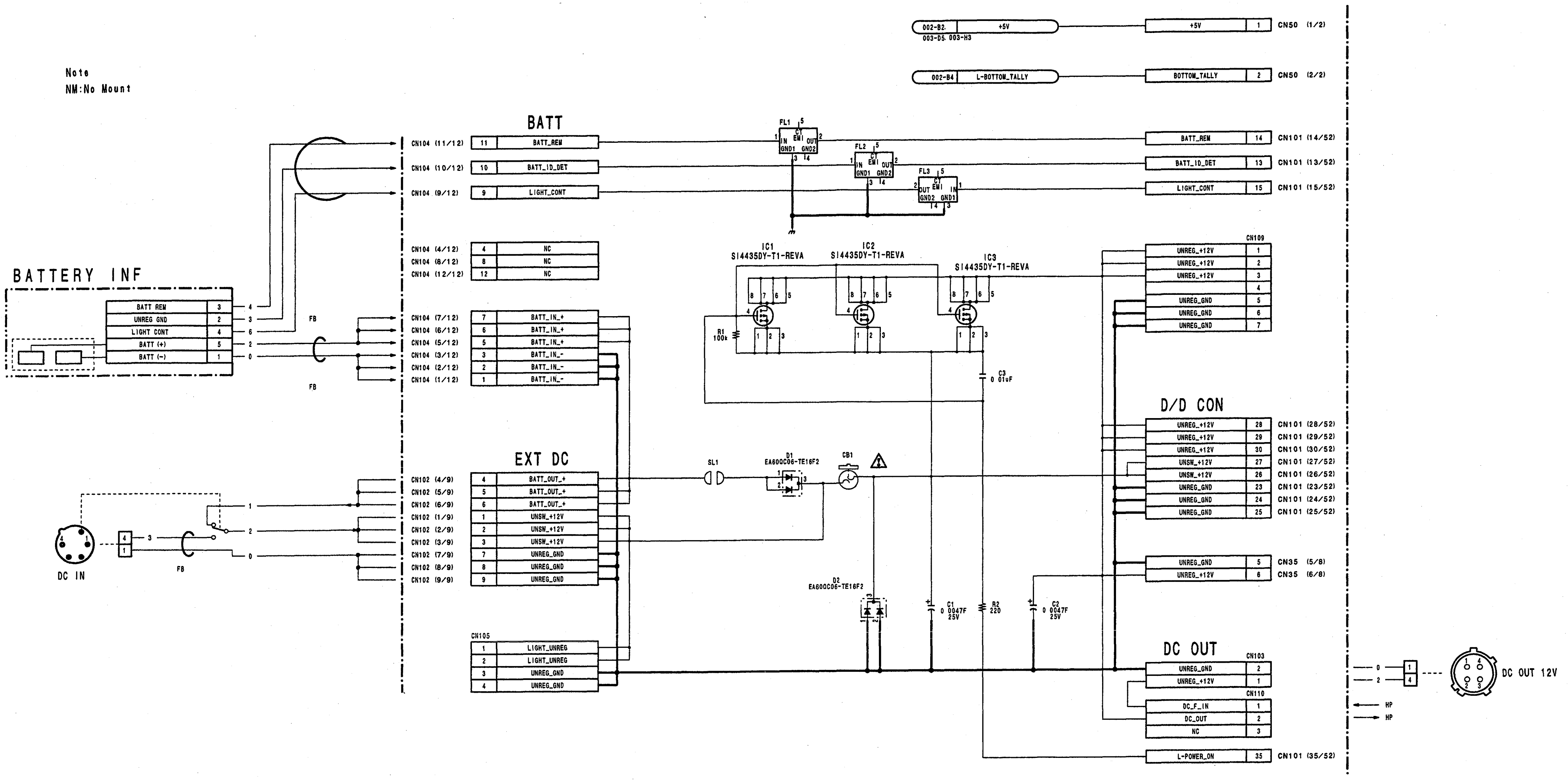
CNB-11/11B (2/3)


001-H2, 003-D5
003-H3
+5V
003-D7
-5V
D409
DA204UT106
D403
DA204UT106
D404
DA204UT106
D405
DA204UT106
D406
DA204UT106
D407
DA204UT106
D408
DA204UT106
Note
NM:No Mount
CN101(10/52) 10 RM_TEST_X
CN101(19/52) 19 RM_TX_+
CN101(20/52) 20 RM_TX_-
CN101(21/52) 21 RM_RX_+
CN101(22/52) 22 RM_RX_-
CN101(9/52) 9 TEST_OUT_X
CN101(11/52) 11 TEST_DET
CN101(4/52) 4 GND
CN101(5/52) 5 GND
CN101(8/52) 8 GND
CN101(12/52) 12 NC
CN101(17/52) 17 L-BOTTOM_TALLY
L-BOTTOM_TALLY 001-H2
CN101(6/52) 6 GENLOCK_X
CN101(7/52) 7 GENLOCK_G
CN101(1/52) 1 EXT_TC_OUT
CN101(2/52) 2 GND
CN101(3/52) 3 EXT_TC_IN
RM_TEST_X 8 CN35 (8/8)
RM_TX_+ 1 CN35 (1/8)
RM_TX_- 2 CN35 (2/8)
RM_RX_+ 3 CN35 (3/8)
RM_RX_- 4 CN35 (4/8)
RM_TEST_G 7 CN35 (7/8)
TEST_OUT_X 3 CN108(3/9)
TEST_OUT_G 2 CN108(2/9)
TEST_DET 1 CN108(1/9)
GND 6 CN108(6/9)
GENLOCK_X 5 CN108(5/9)
GENLOCK_G 4 CN108(4/9)
EXT_TC_OUT_X 9 CN108(9/9)
EXT_TC_G 8 CN108(8/9)
EXT_TC_IN_X 7 CN108(7/9)

CNB-11 (2/3)
(except DVW-790WS/709WS/707 (J))
CNB-11B (2/3)
(for DVW-790WS/709WS/707 (J))
LOT NO. 810-

4-96

Note
NM:No Mount

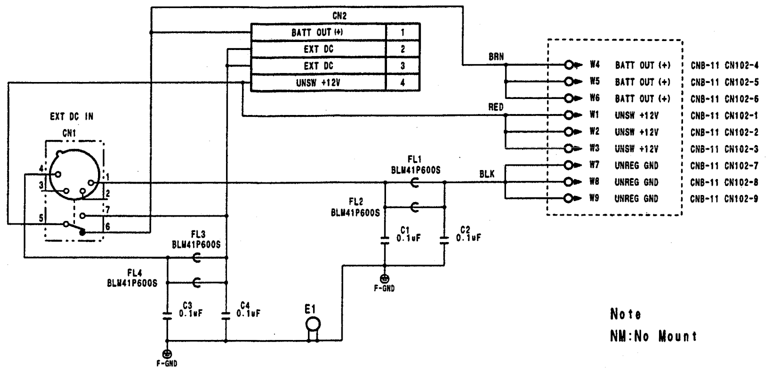

BATTERY INF
BATT REM 3
UNREG GND 2
LIGHT CONT 4
BATT (+) 5
BATT (-) 1
FB
DC IN
BATT
CN104 (11/12) 11 BATT_REM
CN104 (10/12) 10 BATT_ID_DET
CN104 (9/12) 9 LIGHT_CONT
CN104 (4/12) 4 NC
CN104 (8/12) 8 NC
CN104 (12/12) 12 NC
CN104 (7/12) 7 BATT_IN_+
CN104 (6/12) 6 BATT_IN_+
CN104 (5/12) 5 BATT_IN_+
CN104 (3/12) 3 BATT_IN_-
CN104 (2/12) 2 BATT_IN_-
CN104 (1/12) 1 BATT_IN_-
EXT DC
CN102 (4/9) 4 BATT_OUT_+
CN102 (5/9) 5 BATT_OUT_+
CN102 (6/9) 6 BATT_OUT_+
CN102 (1/9) 1 UNSW_+12V
CN102 (2/9) 2 UNSW_+12V
CN102 (3/9) 3 UNSW_+12V
CN102 (7/9) 7 UNREG_GND
CN102 (8/9) 8 UNREG_GND
CN102 (9/9) 9 UNREG_GND
CN105
1 LIGHT_UNREG
2 LIGHT_UNREG
3 UNREG_GND
4 UNREG_GND
002-B2 +5V
003-D5, 003-H3
002-B4 L-BOTTOM_TALLY
+5V 1 CN50 (1/2)
BOTTOM_TALLY 2 CN50 (2/2)
FL1
FL2
FL3
IN EMI OUT
GND1 GND2
BATT_REM 14 CN101 (14/52)
BATT_ID_DET 13 CN101 (13/52)
LIGHT_CONT 15 CN101 (15/52)
IC1 SI4435DY-T1-REVA
IC2 SI4435DY-T1-REVA
IC3 SI4435DY-T1-REVA
R1 100k
C3 0.01uF
SL1
D1 EA60QC06-TE16F2
CB1
D2 EA60QC06-TE16F2
C1 0.0047F 25V
R2 220
C2 0.0047F 25V
CN109
UNREG_+12V 1
UNREG_+12V 2
UNREG_+12V 3
4
UNREG_GND 5
UNREG_GND 6
UNREG_GND 7
D/D CON
UNREG_+12V 28 CN101 (28/52)
UNREG_+12V 29 CN101 (29/52)
UNREG_+12V 30 CN101 (30/52)
UNSW_+12V 27 CN101 (27/52)
UNSW_+12V 26 CN101 (26/52)
UNREG_GND 23 CN101 (23/52)
UNREG_GND 24 CN101 (24/52)
UNREG_GND 25 CN101 (25/52)
UNREG_GND 5 CN35 (5/8)
UNREG_+12V 6 CN35 (6/8)
DC OUT
CN103
UNREG_GND 2
UNREG_+12V 1
CN110
DC_F_IN 1
DC_OUT 2
NC 3
L-POWER_ON 35 CN101 (35/52)
HP
HP
DC OUT 12V

CNB-11 (1/3)

(except DVW-790WS/709WS/707 (J))

CNB-11B (1/3)

(for DVW-790WS/709WS/707 (J))
LOT NO. 810-

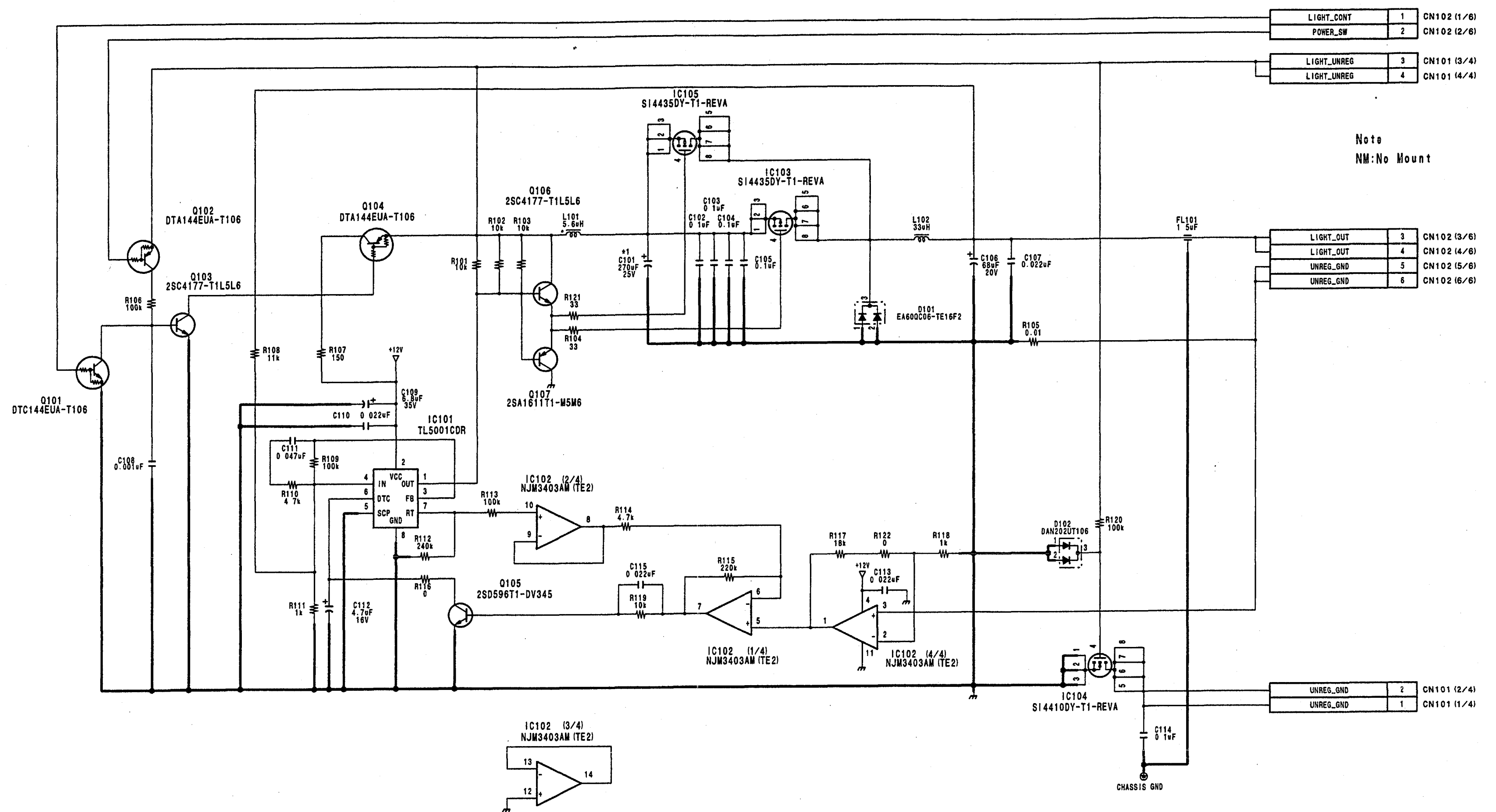

CN2
BATT OUT (+) 1
EXT DC 2
EXT DC 3
UNSW +12V 4
EXT DC IN
CN1
1
2
3
4
5
6
7
FL1
BLM41P600S
FL2
BLM41P600S
FL3
BLM41P600S
FL4
BLM41P600S
C1
0.1uF
C2
0.1uF
C3
0.1uF
C4
0.1uF
E1
F-GND
F-GND
BRN
RED
BLK
W4 BATT OUT (+) CNB-11 CN102-4
W5 BATT OUT (+) CNB-11 CN102-5
W6 BATT OUT (+) CNB-11 CN102-6
W1 UNSW +12V CNB-11 CN102-1
W2 UNSW +12V CNB-11 CN102-2
W3 UNSW +12V CNB-11 CN102-3
W7 UNREG GND CNB-11 CN102-7
W8 UNREG GND CNB-11 CN102-8
W9 UNREG GND CNB-11 CN102-9

Note
NM:No Mount

DC-106

LOT NO. 810-

PS-533


LIGHT_CONT 1 CN102 (1/6)
POWER_SW 2 CN102 (2/6)
LIGHT_UNREG 3 CN101 (3/4)
LIGHT_UNREG 4 CN101 (4/4)
Note
NM:No Mount
LIGHT_OUT 3 CN102 (3/6)
LIGHT_OUT 4 CN102 (4/6)
UNREG_GND 5 CN102 (5/6)
UNREG_GND 6 CN102 (6/6)
UNREG_GND 2 CN101 (2/4)
UNREG_GND 1 CN101 (1/4)
IC105
SI4435DY-T1-REVA
IC103
SI4435DY-T1-REVA
Q102
DTA144EUA-T106
Q104
DTA144EUA-T106
Q106
2SC4177-T1L5L6
Q103
2SC4177-T1L5L6
Q101
DTC144EUA-T106
Q107
2SA1611T1-M5M6
R102 10k
R103 10k
L101 5.6uH
R101 10k
*1 C101 270uF 25V
C103 0 1uF
C102 0 1uF
C104 0.1uF
C105 0.1uF
L102 33uH
C106 68uF 20V
C107 0.022uF
FL101 1 5uF
R121 33
R104 33
D101
EA60QC06-TE16F2
R105 0.01
R106 100k
R108 11k
R107 150
+12V
C109 6.8uF 35V
C110 0 022uF
IC101
TL5001CDR
C111 0 047uF
R109 100k
R110 4 7k
C108 0.001uF
VCC IN OUT DTC FB SCP RT GND
IC102 (2/4)
NJM3403AM (TE2)
R113 100k
R114 4.7k
R112 240k
R116 0
Q105
2SD596T1-DV345
R111 1k
C112 4.7uF 16V
C115 0 022uF
R119 10k
R115 220k
IC102 (1/4)
NJM3403AM (TE2)
R117 18k
R122 0
R118 1k
+12V
C113 0 022uF
IC102 (4/4)
NJM3403AM (TE2)
D102
DAN202UT106
R120 100k
IC104
SI4410DY-T1-REVA
C114 0 1uF
CHASSIS GND
IC102 (3/4)
NJM3403AM (TE2)

MARK	CHANGED INFORMATION	SERIAL NO.
*1	C101 220uF → 270uF	10056 and higher (707 SY) 30006 and higher (707 J/709WS J/790WS J) 10086 and higher (709WS SY) 10061 and higher (790WS SY) 40106 and higher (707P) 40176 and higher (709WSP) 40216 and higher (790WSP)

PS-533
LOT NO. 810-

MB-810

MB-810

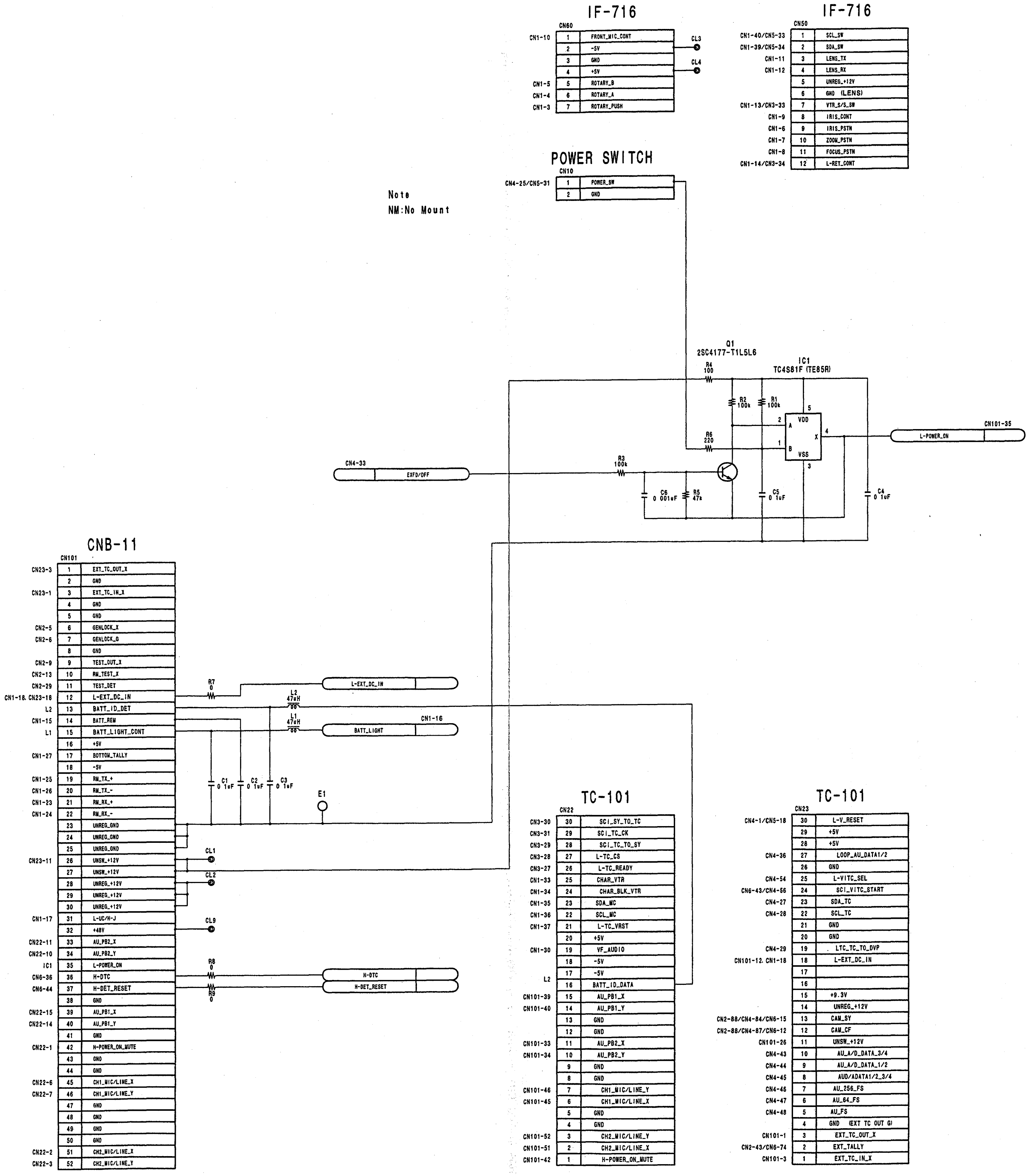
1

2

3

4

5


IF-716
CN60
IF-716
CN50
POWER SWITCH
CN10
Note
NM:No Mount
Q1
2SC4177-T1L5L6
IC1
TC4S81F (TE85R)
L-POWER_ON
CN101-35
EXT3/OFF
CN4-33
CNB-11
CN101
L-EXT_DC_IN
BATT_LIGHT
CN1-16
H-DTC
H-DET_RESET
E1
CL1
CL2
CL9
TC-101
CN22
TC-101
CN23

4-106

A | B | C | D | E | F | G | H

CN1

	1	GND	2	GND	
CN60-7	3	ROTARY_PUSH	4	ROTARY_A	CN60-6
CN60-5	5	ROTARY_B	6	IRIS_PSTN	CN50-9
CN50-10	7	ZOOM_PSTN	8	FOCUS_PSTN	CN50-11
CN50-8	9	IRIS_CONT	10	FRONT_MIC_CONT	CN60-1
CN50-3	11	LENS_TX	12	LENS_RX	CN50-4
CN50-7/CN3-33	13	VTR_S/S_SW	14	L-RET_CONT	CN50-12/CN3-34
CN101-14	15	BATT_REM	16	BATT_LIGHT	L1
CN101-31	17	L-UC/H-J	18	L-EXT_DC_IN	CN101-12. CN23-18
CN3-20	19	SCI_AT_TO_SY	20	SCI_SY_TO_AT	CN3-19
	21	GND	22	GND	
CN101-21	23	RM_RX_+	24	RM_RX_-	CN101-22
CN101-19	25	RM_TX_+	26	RM_TX_-	CN101-20
CN101-17	27	BOTTOM_TALLY	28		
CN101-11	29	TEST_DET	30	VF_AUDIO	CN22-19
	31	GND	32	GND	
CN22-25	33	CHAR_VTR	34	CHAR_BLK_VTR	CN22-24
CN22-23	35	SDA_MC	36	SCL_MC	CN22-22
CN22-21	37	L-TC_VRST	38	SY_READY	CN3-32
CN50-2/CN5-34	39	SDA_SW	40	SCL_SW	CN50-1/CN5-33
CN5-32	41	VFL-NT/H-PAL	42	VF_MIC_VR	CN5-28
CN5-30	43	VF_B-Y	44	VF_R-Y	CN5-29
CN5-28	45	VF_VIDEO_G	46	VF_VIDEO_X	CN5-27
	47	GND	48	GND	
CN5-24	49	VBS_OUT_G	50	VBS_OUT_X	CN5-23

CN3

CN5-80	1	REC_DH_DATA_Y	2	REC_DH_DATA_X	CN5-79
CN5-78	3	REC_CG_DATA_Y	4	REC_CG_DATA_X	CN5-77
CN5-76	5	REC_BF_DATA_Y	6	REC_BF_DATA_X	CN5-75
CN5-74	7	REC_AE_DATA_Y	8	REC_AE_DATA_X	CN5-73
	9	GND	10	GND	
CN5-68	11	H-REC_INHIBIT	12	MPX_ENABLE	CN5-67
	13	RP_-5V	14	L-HUMID_DET	CN5-65
	15	RP_+5V	16	REC_+5V	
	17	GND	18	GND	
CN1-20	19	SCI_SY_TO_AT	20	SCI_AT_TO_SY	CN1-19
CN5-62	21	MPX_CK_X	22	MPX_CK_Y	CN5-61
CN5-60	23	MPX_X	24	MPX_Y	CN5-59
CN5-57	25	PG_ADJ_REF	26	GND	
CN22-26	27	L-TC_READY	28	L-TC_CS	CN22-27
CN22-28	29	SCI_TC_TO_SY	30	SCI_SY_TO_TC	CN22-30
CN22-29/CN6-42	31	SCI_TC_CK	32	SY_READY	CN1-38
CN50-7/CN1-13	33	VTR_S/S_SW	34	L-RET_CONT	CN50-12/CN1-14
CN5-54	35	PB_DH_RF_G	36	PB_DH_RF_Y	CN5-53
CN5-52	37	PB_DH_RF_X	38	PB_CG_RF_G	CN5-51
CN5-50	39	PB_CG_RF_Y	40	PB_CG_RF_X	CN5-49
CN5-48	41	PB_BF_RF_G	42	PB_BF_RF_Y	CN5-47
CN5-46	43	PB_BF_RF_X	44	PB_AE_RF_G	CN5-45
CN5-44	45	PB_AE_RF_Y	46	PB_AE_RF_X	CN5-43
CN5-38	47	L-SERVO_CS	48	L-SV_READY	CN5-37
CN5-36	49	SCI_SV_TO_SY	50	SCI_SY_TO_SV	CN5-35

MB-811

CN5

CN3-2	REC_DH_DATA_X	79	REC_DH_DATA_Y	80	CN3-1
CN3-4	REC_CG_DATA_X	77	REC_CG_DATA_Y	78	CN3-3
CN3-6	REC_BF_DATA_X	75	REC_BF_DATA_Y	76	CN3-5
CN3-8	REC_AE_DATA_X	73	REC_AE_DATA_Y	74	CN3-7
	GND	71	GND	72	
	GND	69	GND	70	
CN3-12	MPX_ENABLE	67	H-REC_INHIBIT	68	CN3-11
CN3-14	L-HUMID_DET	65	RP_-5V	66	
	REC_+5V	63	RP_+5V	64	
CN3-22	MPX_CK_Y	61	MPX_CK_X	62	CN3-21
CN3-24	MPX_Y	59	MPX_X	60	CN3-23
CN3-25	PG_ADJ_REF	57	VF_MIC_VR	58	
	GND	55	GND	56	
CN3-36	PB_DH_RF_Y	53	PB_DH_RF_G	54	CN3-35
CN3-38	PB_CG_RF_G	51	PB_DH_RF_X	52	CN3-37
CN3-40	PB_CG_RF_X	49	PB_CG_RF_Y	50	CN3-39
CN3-42	PB_BF_RF_Y	47	PB_BF_RF_G	48	CN3-41
CN3-44	PB_AE_RF_G	45	PB_BF_RF_X	46	CN3-43
CN3-46	PB_AE_RF_X	43	PB_AE_RF_Y	44	CN3-45
	GND	41	GND	42	
	GND	39	GND	40	
CN3-48	L-SV_READY	37	L-SERVO_CS	38	CN3-47
CN3-50	SCI_SY_TO_SV	35	SCI_SV_TO_SY	36	CN3-49
CN1-40/CN50-1	SCL_SW	33	SDA_SW	34	CN1-39/CN50-2
CN10-1/CN4-25	POWER_SW	31	VFL-NT/H-PAL	32	CN1-41
CN1-44	VF_R-Y	29	VF_B-Y	30	CN1-43
CN1-46	VF_VIDEO_X	27	VF_VIDEO_G	28	CN1-45
	GND	25	GND	26	
CN1-48	VBS_OUT_X	23	VBS_OUT_G	24	CN1-49
	GND	21	GND	22	
CN2-1	RET_VIDEO_G	19	RET_VIDEO_X	20	CN2-2
CN4-2	SCI_SV_CK	17	L-V_RESET	18	CN4-1/CN23-30
CN4-4	PB_A/E_SEL	15	PB_C/G_SEL	16	CN4-3
CN4-6	PB_B/F_SEL	13	PB_D/H_SEL	14	CN4-5
CN4-8	SAT_AE_EN	11	START_PULSE	12	CN4-7
CN4-10	SAT_CG_EN	9	REC_A/E_SEL	10	CN4-9
CN4-12	EDIT_AUDIO_ID2	7	SERVO_REC_EN	8	CN4-11
CN4-14	EDIT_AUDIO_ID0	5	EDIT_AUDIO_ID1	6	CN4-13
CN4-16	SEG_2_FIELD	3	EN_START_PULSE	4	CN4-15
CN4-18	SEG_0	1	SEG_1	2	CN4-17

DCP-17

CN2

CN5-19	1	RET_VIDEO_G	2	RET_VIDEO_X	
	3	GND	4	GND	
CN4-6	5	GENLOCK_X	6	GENLOCK_G	CN4-5
	7	GND	8	GND	
CN101-9	9	TEST_OUT_X	10	GND	
	11	GND	12	GND	
CN101-10	13	RM_TEST_X	14	GND	
	15		16		
	17		18		
	19		20		
	21		22		
	23		24		
	25		26		
	27		28		
	29		30		
	31		32		
	33		34	SCK_AT_TO_SY	CN4-34
	35	+5V	36	+5V	
	37	+5V	38	+5V	
CL5	39	+9.3V	40	+9.3V	
CL6	41	+7V	42	+7V	
CN6-74/CN23-2	43	EXT_TALLY	44	VTR_EN	CN20-9
	45	H_CONT_G	46	H_CONT_X	CN20-13
	47	GND	48	GND	
	49	V_RESET/CF	50	CA_DATA	
	51	-5V	52	-5V	
	53	-5V	54	-5V	
	55		56	L-SDI_DET	CN4-1
CN4-26	57	SDA_DIF	58	SCL_DIF	CN4-25
	59	LD_DIF	60	LD_DIF2	CN3-35 /CN22-1
CL7	61	+2.5V	62	+2.5V	
	63	+2.5V	64	+2.5V	
	65	GND	66	GND	
	67	GND	68	GND	
CL8	69	+3V	70	+3V	
	71	+3V	72	+3V	
	73	GND	74	GND	
	75	GND	76	GND	
	77	GND	78	GND	
	79	VIDEO_DIR	80	SYNC_DIR	CN53-23
CN53-22/CN3-36	81	CAM_BLKG	82	EXT_EN	CN53-21
CN53-20	83	CAM_SY	84	SKG	R16 /R18
CN4-86 /CN53-18	85	CAM_HD	86	CAM_VD	CN4-85 /CN53-17
CN22-18 /CN4-88 /CN53-16	87	CK_27M	88	CAM_CF	CN4-87
CN4-90 /CN53-11	89	VIDEO_DATA_0	90	VIDEO_DATA_1	CN4-89 /CN53-10
CN4-92 /CN53-9	91	VIDEO_DATA_2	92	VIDEO_DATA_3	CN4-91 /CN53-8
CN4-94 /CN53-7	93	VIDEO_DATA_4	94	VIDEO_DATA_5	CN4-93 /CN53-6
CN4-96 /CN53-5	95	VIDEO_DATA_6	96	VIDEO_DATA_7	CN4-95 /CN53-4
CN4-98 /CN53-3	97	VIDEO_DATA_8	98	VIDEO_DATA_9	CN4-97 /CN53-2
	99	GND	100	GND	

DVP-13

CN4

CN5-18/CN23-30	1	L-V_RESET	2	SCI_SV_CK	CN5-17
CN5-16	3	PB_C/G_SEL	4	PB_A/E_SEL	CN5-15
CN5-14	5	PB_D/H_SEL	6	PB_B/F_SEL	CN5-13
CN5-12	7	START_PULSE	8	SAT_AE_EN	CN5-11
CN5-10	9	REC_A/E_SEL	10	SAT_CG_EN	CN5-9
CN5-8	11	SERVO_REC_EN	12	EDIT_AUDIO_ID2	CN5-7
CN5-6	13	EDIT_AUDIO_ID1	14	EDIT_AUDIO_ID0	CN5-5
CN5-4	15	EN_START_PULSE	16	SEG_2_FIELD	CN5-3
CN5-2	17	SEG_1	18	SEG_0	CN5-1
CN6-80	19	PB_ENV	20	REC_AU_ID2	CN6-79
CN6-78	21	REC_AU_ID1	22	REC_AU_ID0	CN6-77
CN6-76	23	SV_CF	24	SV_VD	CN6-75
CN10-1/CN5-31	25	POWER_SW	26	CAP_SPEED	CN6-73
CN23-23	27	SDA_TC	28	SCL_TC	CN23-22
CN23-19	29	LTC_TC_TO_DVP	30	REC_TC	CN6-67
	31	+7V	32	+7V	
R3	33	EXFD/OFF	34	SCK_AT_TO_SY	CN2-34
	35	+5V	36	LOOP_AU_DATA1/2	CN23-27
	37	+5V	38	+5V	
	39	GND	40	GND	
	41	GND	42	GND	
CN23-10	43	AU_A/D_DATA_3/4	44	AU_A/D_DATA_1/2	CN23-9
CN23-8	45	AUD/ADATA1/2_3/4	46	AU_256_FS	CN23-7
CN23-6	47	AU_64_FS	48	AU_FS	CN23-5
	49	VTR_EN	50	UNREG_+12V	
	51	-5V	52	-5V	
	53	-5V	54	L-VITC_SEL	CN23-25
	55		56	SCI_VITC_START	CN6-43/CN23-24
CN6-42	57	SCI_VITC_CK	58	SCI_VITC	CN6-41
CN6-40	59	VITC_27M	60	VPR_CF_INFO	CN6-39
CN6-38	61	VPR_VD	62	VPR_HD	CN6-37
	63	GND	64	GND	
	65	GND	66	GND	
	67	GND	68	GND	
	69	+3V	70	+3V	
	71	+3V	72	+3V	
	73	+3V	74	+3V	
CN6-28	75	CA_FSO	76	CA_512_FSO	CN6-27
CN6-26	77	CA_64_FSO	78	DIGITAL_AU_3/4_IN	CN6-25
CN6-24	79	DIGITAL_AU_1/2_IN	80	DIGITAL_AU_3/4_OUT	CN6-23
	81	GND	82	DIGITAL_AU_1/2_OUT	CN6-21
	83	GND	84	CAM_SY	CN2-83/CN6-15/CN23-13
CN2-86/CN6-14	85	CAM_VD	86	CAM_HD	CN2-85/CN6-13
CN2-88/CN6-12/CN23-12	87	CAM_CF	88	CK_27M	CN2-87/CN6-11
CN2-89/CN6-9	89	VIDEO_DATA_0	90	VIDEO_DATA_1	CN2-90/CN6-10
CN2-91/CN6-7	91	VIDEO_DATA_2	92	VIDEO_DATA_3	CN2-92/CN6-8
CN2-93/CN6-5	93	VIDEO_DATA_4	94	VIDEO_DATA_5	CN2-94/CN6-6
CN2-95/CN6-3	95	VIDEO_DATA_6	96	VIDEO_DATA_7	CN2-96/CN6-4
CN2-97/CN6-1	97	VIDEO_DATA_8	98	VIDEO_DATA_9	CN2-98/CN6-2
	99	GND	100	GND	

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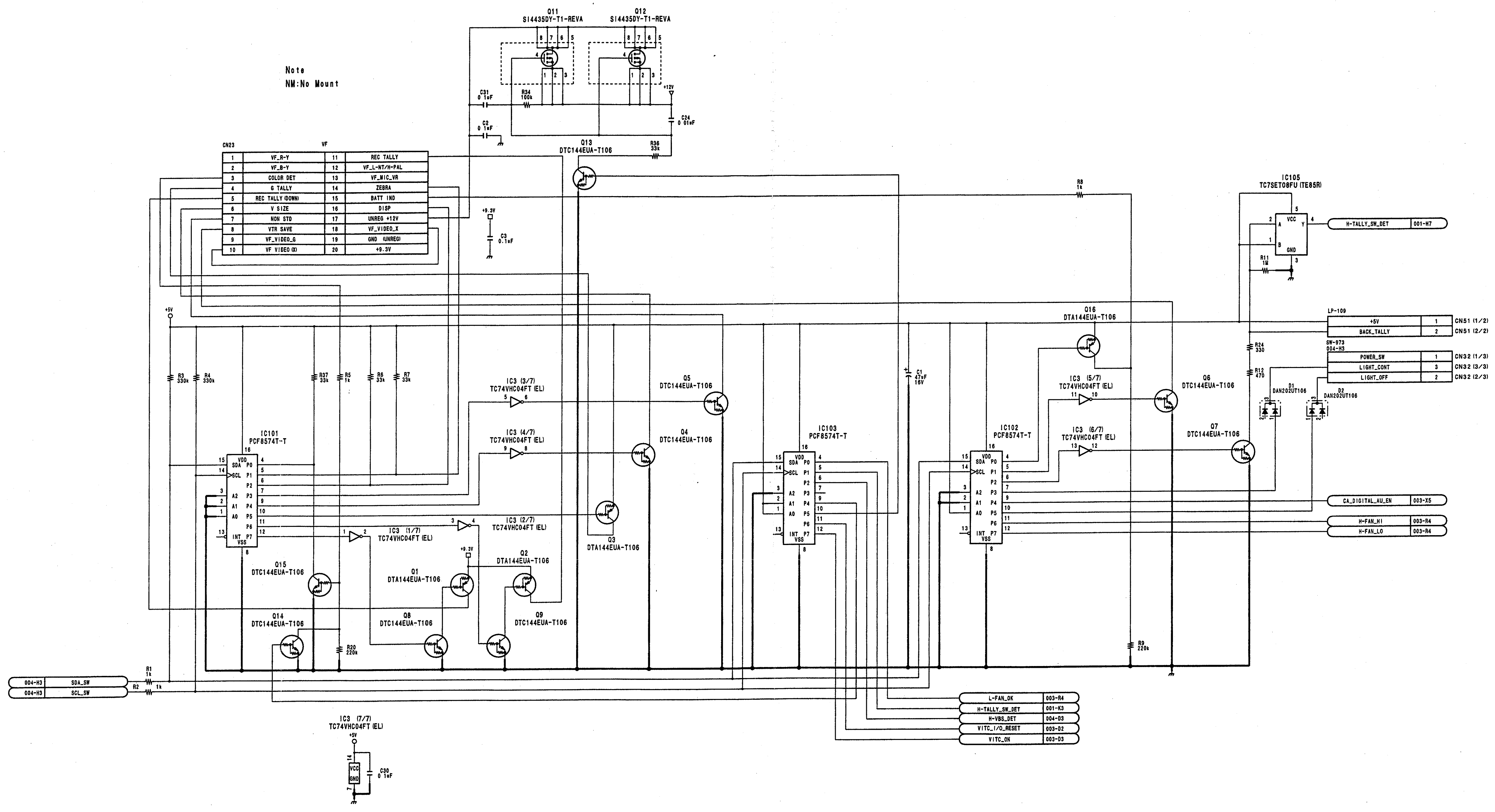
CN6

CN4-20	REC_AU_ID2	79	PB_ENV	80	CN4-19
CN4-22	REC_AU_ID0	77	REC_AU_ID1	78	CN4-21
CN4-24	SV_VD	75	SV_CF	76	CN4-23
CN4-26	CAP_SPEED	73	EXT_TALLY	74	CN2-43/CN23-2
	+5V	71	+5V	72	
	+5V	69	+5V	70	
CN4-30	REC_TC	67	VIDEO_DIR	68	CN2-79
	-5V	65	SYNC_DIR	66	CN2-80
	-5V	63	-5V	64	
	+9.3V	61	H_CONT_X	62	CN2-46
	+7V	59	H_CONT_G	60	CN2-45
CN2-50	CA_DATA	57	V_RESET/CF	58	CN2-49
	GND	55	GND	56	
	GND	53	GND	54	
	GND	51	GND	52	
CN101-36	H-DTC	49	L-SDI_DET	50	CN2-56
CN2-57	SDA_DIF	47	SCL_DIF	48	CN2-58
CN2-59	LD_DIF	45	LD_DIF2	46	CN2-60
CN4-56/CN23-24	SCI_VITC_START	43	H-DET_RESET	44	CN101-37
CN4-58	SCI_VITC	41	SCI_VITC_CK	42	CN4-57
CN4-60	VPR_CF_INFO	39	VITC_27M	40	CN4-59
CN4-62	VPR_HD	37	VPR_VD	38	CN4-61
	+2.5V	35	+2.5V	36	
	+2.5V	33	+2.5V	34	
	+3V	31	+3V	32	
	+3V	29	+3V	30	
CN4-76	CA_512_FSO	27	CA_FSO	28	CN4-75
CN4-78	DIGITAL_AU_3/4_IN	25	CA_64_FSO	26	CN4-77
CN4-80	DIGITAL_AU_3/4_OUT	23	DIGITAL_AU_1/2_IN	24	CN4-79
CN4-82	DIGITAL_AU_1/2_OUT	21	EXT_EN	22	CN2-82
	GND	19	GND	20	
CN2-81	CAM_BLKG	17	+48V	18	
CN2-83/CN4-84/CN23-13	CAM_SY	15	SKG	16	CN2-84
CN2-85/CN4-86	CAM_HD	13	CAM_VD	14	CN2-86/CN4-85
CN2-87/CN4-88	CK_27M	11	CAM_CF	12	CN2-89/CN4-87/CN23-12
CN2-89/CN4-89	VIDEO_DATA_0	9	VIDEO_DATA_1	10	CN2-90/CN4-90
CN2-91/CN4-91	VIDEO_DATA_2	7	VIDEO_DATA_3	8	CN2-92/CN4-92
CN2-93/CN4-93	VIDEO_DATA_4	5	VIDEO_DATA_5	6	CN2-94/CN4-94
CN2-95/CN4-95	VIDEO_DATA_6	3	VIDEO_DATA_7	4	CN2-96/CN4-96
CN2-97/CN4-97	VIDEO_DATA_8	1	VIDEO_DATA_9	2	CN2-98/CN4-98

MB-810

LOT NO. 810-

Note
NM:No Mount


Q11
SI4435DY-T1-REVA
Q12
SI4435DY-T1-REVA
C31
0.1uF
R34
100k
+12V
C24
0.01uF
C2
0.1uF
Q13
DTC144EUA-T106
R36
33k
CN23
VF
1
VF_R-Y
11
REC TALLY
2
VF_B-Y
12
VF_L-NT/H-PAL
3
COLOR DET
13
VF_MIC_VR
4
G TALLY
14
ZEBRA
5
REC TALLY (DOWN)
15
BATT IND
6
V SIZE
16
DISP
7
NON STD
17
UNREG +12V
8
VTR SAVE
18
VF_VIDEO_X
9
VF_VIDEO_G
19
GND (UNREG)
10
VF VIDEO (X)
20
+9.3V
+9.3V
C3
0.1uF
R8
1k
IC105
TC7SET08FU (TE85R)
VCC
A
B
Y
GND
H-TALLY_SW_DET
001-H7
R11
1M
LP-109
+5V
1
CN51 (1/2)
BACK_TALLY
2
CN51 (2/2)
SW-973
004-H3
POWER_SW
1
CN32 (1/3)
LIGHT_CONT
3
CN32 (3/3)
LIGHT_OFF
2
CN32 (2/3)
R24
330
R12
470
D1
DAN202UT106
D2
DAN202UT106
Q16
DTA144EUA-T106
+5V
R3
330k
R4
330k
R37
33k
R5
1k
R6
33k
R7
33k
C1
47uF
16V
IC3 (3/7)
TC74VHC04FT (EL)
IC3 (4/7)
TC74VHC04FT (EL)
Q5
DTC144EUA-T106
Q4
DTC144EUA-T106
IC3 (5/7)
TC74VHC04FT (EL)
IC3 (6/7)
TC74VHC04FT (EL)
Q6
DTC144EUA-T106
Q7
DTC144EUA-T106
IC101
PCF8574T-T
IC103
PCF8574T-T
IC102
PCF8574T-T
VDD
SDA
SCL
A2
A1
A0
INT
VSS
P0
P1
P2
P3
P4
P5
P6
P7
Q3
DTA144EUA-T106
IC3 (1/7)
TC74VHC04FT (EL)
IC3 (2/7)
TC74VHC04FT (EL)
CA_DIGITAL_AU_EN
003-X5
H-FAN_HI
003-R4
H-FAN_LO
003-R4
Q15
DTC144EUA-T106
Q1
DTA144EUA-T106
Q2
DTA144EUA-T106
+9.3V
Q14
DTC144EUA-T106
Q8
DTC144EUA-T106
Q9
DTC144EUA-T106
R20
220k
R9
220k
004-H3
SDA_SW
004-H3
SCL_SW
R1
1k
R2
1k
L-FAN_OK
003-R4
H-TALLY_SW_DET
001-K3
H-VBS_DET
004-D3
VITC_I/O_RESET
003-D2
VITC_ON
003-D3
IC3 (7/7)
TC74VHC04FT (EL)
+5V
VCC
GND
C30
0.1uF

MB-811 (1/4)

LOT NO. 810-

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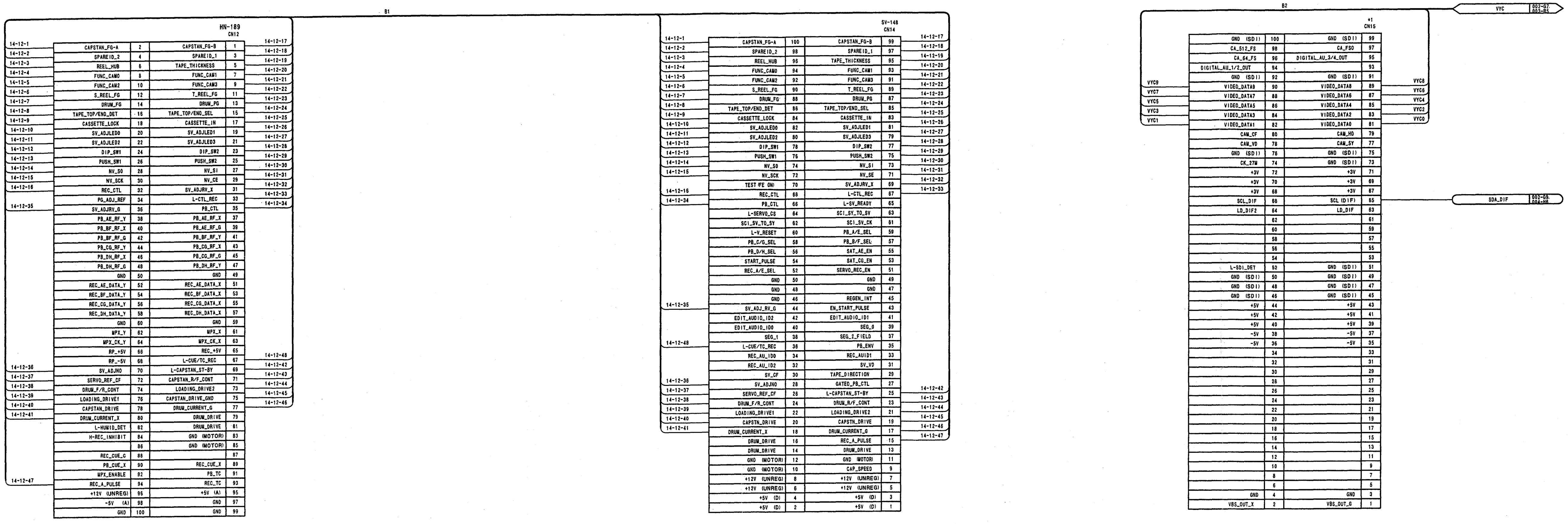
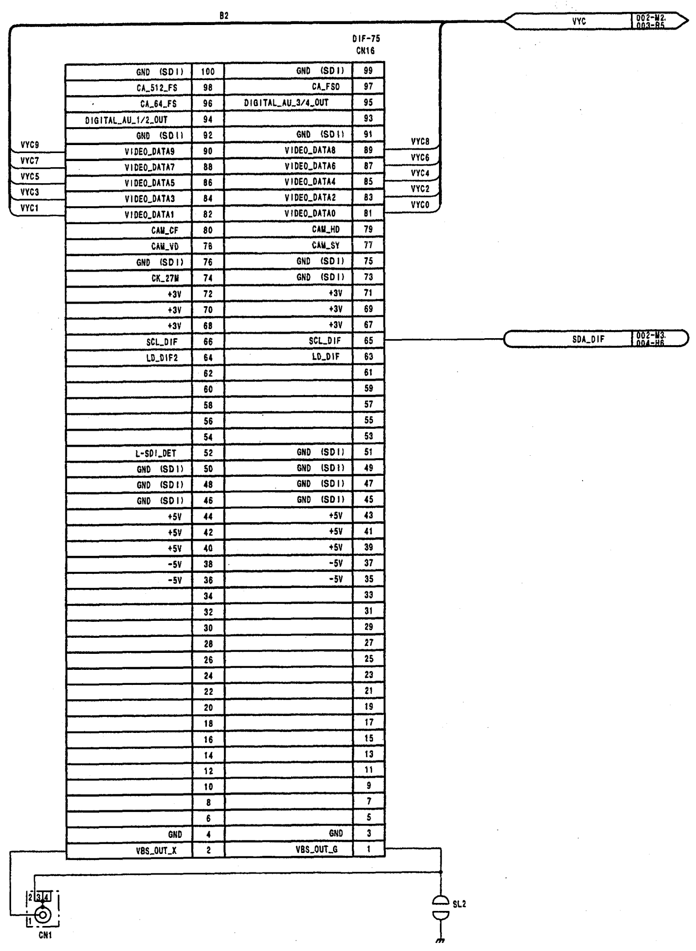
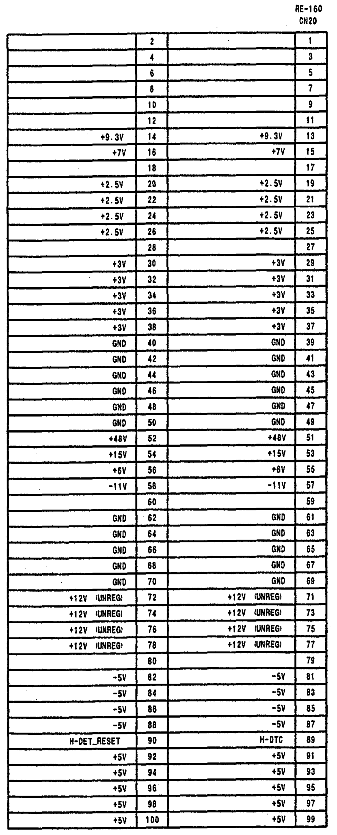
A B C D E F G H


B1
HN-189
CN12
SV-148
CN14
B2
*1
CN15
VYC
SDA_DIF

Note
NM:No Mount

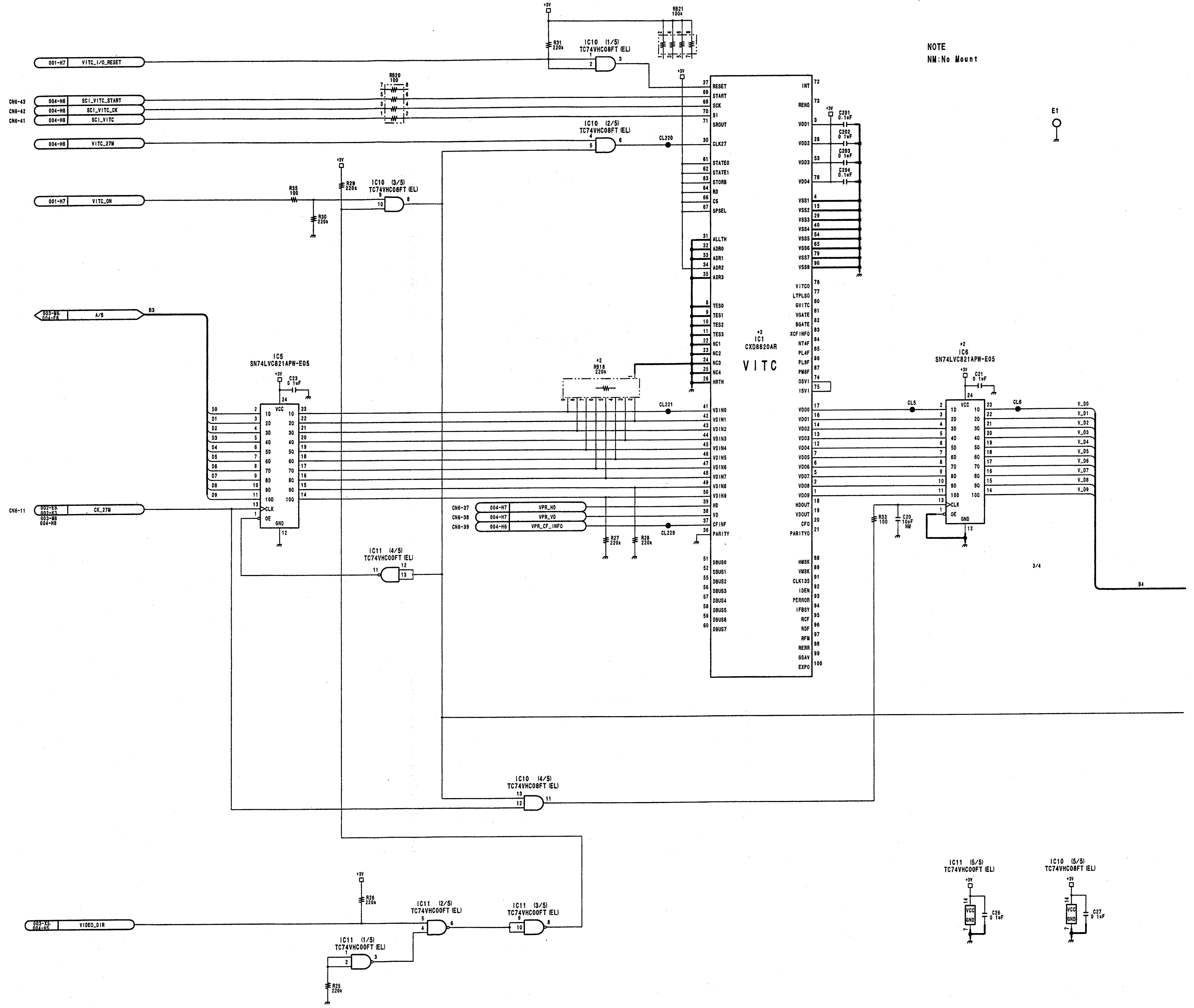

B2
DIF-75
CN16
VYC
SDA_DIF
CN1
SL2



MARK	CHANGED INFORMATION	SERIAL NO.
*1	CN15 DELETED	10011 and higher (707 SY) 30006 and higher (707 J/709WS J/790WS J) 10026 and higher (709WS SY) 10016 and higher (790WS SY) 40021 and higher (707P) 40071 and higher (709WSP) 40061 and higher (790WSP)

MB-811 (2/4)
LOT NO. 810-

MB-811 (3/4)


NOTE
NM:No Mount
+3V
RB21
100k
R31
220k
IC10 (1/5)
TC74VHC08FT (EL)
001-H7
VITC_I/O_RESET
RB20
100
CN6-43
CN6-42
CN6-41
004-H6
SCI_VITC_START
SCI_VITC_CK
SCI_VITC
IC10 (2/5)
TC74VHC08FT (EL)
CL220
004-H6
VITC_27M
R29
220k
R35
100
R30
220k
IC10 (3/5)
TC74VHC08FT (EL)
001-H7
VITC_ON
003-M6
004-F8
A/B
B3
IC5
SN74LVC821APW-E05
C23
0.1uF
VCC
GND
CLK
OE
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
CN6-11
002-E8
002-K3
003-M8
004-H8
CK_27M
*2
RB18
220k
CL221
*2
IC1
CXD8820AR
VITC
RESET
START
SCK
SI
SROUT
CLK27
STATE0
STATE1
STORB
RD
CS
SPSEL
ALLTH
ADR0
ADR1
ADR2
ADR3
TES0
TES1
TES2
TES3
NC1
NC2
NC3
NC4
HRTH
VDIN0
VDIN1
VDIN2
VDIN3
VDIN4
VDIN5
VDIN6
VDIN7
VDIN8
VDIN9
HD
VD
CFINF
PARITY
DBUS0
DBUS1
DBUS2
DBUS3
DBUS4
DBUS5
DBUS6
DBUS7
INT
REND
VDD1
VDD2
VDD3
VDD4
VSS1
VSS2
VSS3
VSS4
VSS5
VSS6
VSS7
VSS8
VITCO
LTPLSO
GVITC
VGATE
BGATE
XCFINFO
NT4F
PL4F
PL8F
PM8F
OSVI
ISVI
VDO0
VDO1
VDO2
VDO3
VDO4
VDO5
VDO6
VDO7
VDO8
VDO9
HDOUT
VDOUT
CFO
PARITYO
HMSK
VMSK
CLK135
IDEN
PERROR
IFBSY
RCF
RDF
RFM
RERR
GSAV
EXPO
C201
0.1uF
C202
0.1uF
C203
0.1uF
C204
0.1uF
E1
CN6-37
CN6-38
CN6-39
004-H7
VPR_HD
004-H7
VPR_VD
004-H6
VPR_CF_INFO
R27
220k
R28
220k
CL229
IC11 (4/5)
TC74VHC00FT (EL)
*2
IC6
SN74LVC821APW-E05
C21
0.1uF
CL5
CL6
V_D0
V_D1
V_D2
V_D3
V_D4
V_D5
V_D6
V_D7
V_D8
V_D9
R33
100
C20
10pF
NM
3/4
B4
IC10 (4/5)
TC74VHC08FT (EL)
003-X5
004-H5
VIDEO_DIR
R26
220k
IC11 (2/5)
TC74VHC00FT (EL)
IC11 (3/5)
TC74VHC00FT (EL)
IC11 (1/5)
TC74VHC00FT (EL)
R25
220k
IC11 (5/5)
TC74VHC00FT (EL)
C26
0.1uF
IC10 (5/5)
TC74VHC08FT (EL)
C27
0.1uF

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4
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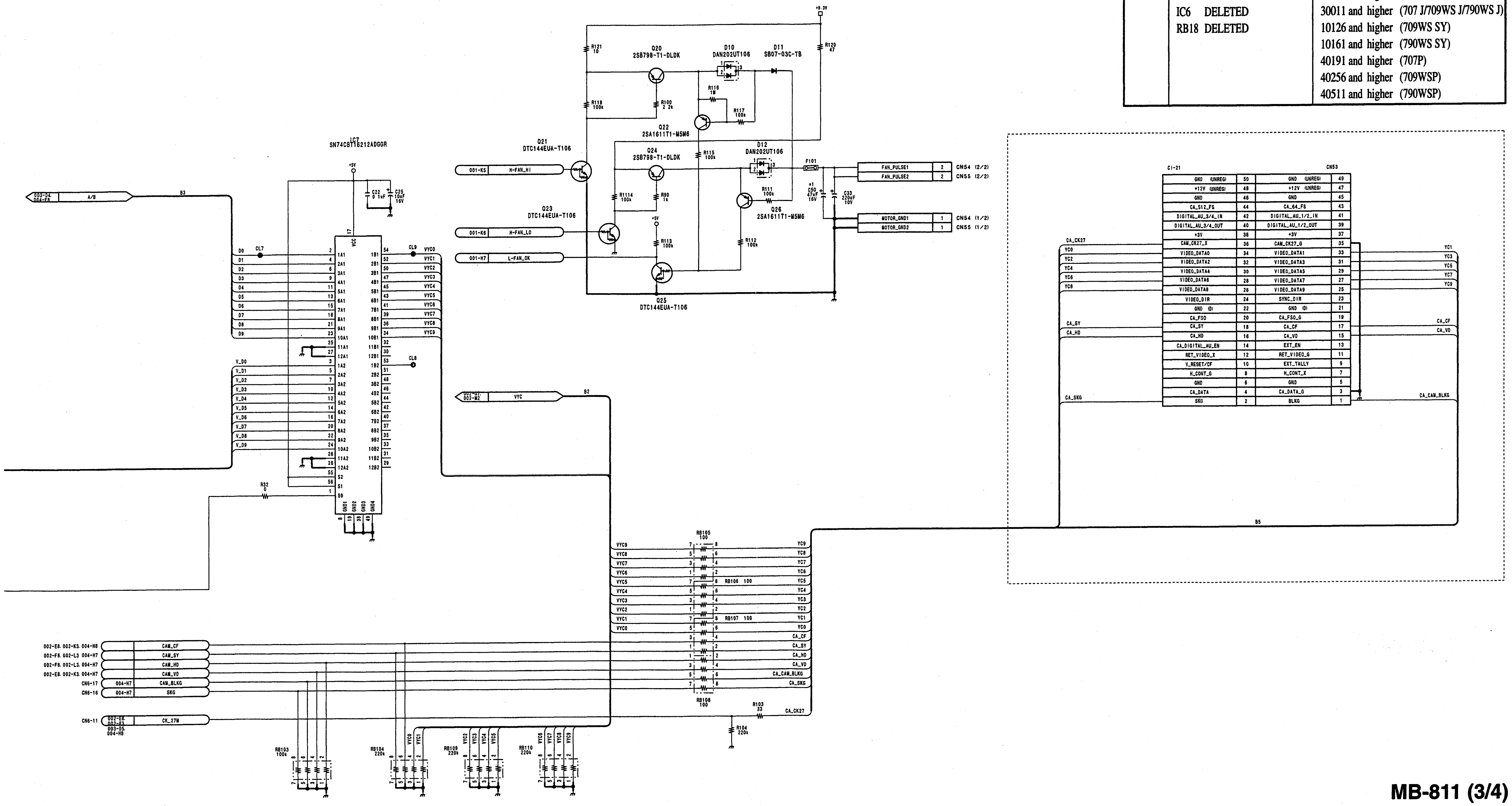
A | B | C | D | E | F | G | H

4-110

MARK	CHANGED INFORMATION	SERIAL NO.
*1	C50 DELETED	10031 and higher (707 SY) 30006 and higher (707 J/709WS J/790WS J) 10046 and higher (709WS SY) 10036 and higher (790WS SY) 40071 and higher (707P) 40101 and higher (709WSP) 40086 and higher (790WSP)
*2	IC1 DELETED IC6 DELETED RB18 DELETED	10056 and higher (707 SY) 30011 and higher (707 J/709WS J/790WS J) 10126 and higher (709WS SY) 10161 and higher (790WS SY) 40191 and higher (707P) 40256 and higher (709WSP) 40511 and higher (790WSP)


+9.3V
R121 10
Q20 2SB798-T1-DLDK
D10 DAN202UT106
D11 SB07-03C-TB
R120 47
R118 100k
R100 2.2k
R116 1M
R117 100k
Q22 2SA1611T1-M5M6
Q21 DTC144EUA-T106
Q24 2SB798-T1-DLDK
R115 100k
D12 DAN202UT106
F101
001-K5 H-FAN_HI
R1114 100k
R90 1k
R111 100k
Q26 2SA1611T1-M5M6
*1 C50 47uF 16V
C33 220uF 10V
FAN_PULSE1 2 CN54 (2/2)
FAN_PULSE2 2 CN55 (2/2)
MOTOR_GND1 1 CN54 (1/2)
MOTOR_GND2 1 CN55 (1/2)
Q23 DTC144EUA-T106
001-K6 H-FAN_LO
+5V
R113 100k
R112 100k
001-H7 L-FAN_OK
Q25 DTC144EUA-T106
IC7 SN74CBT16212ADGGR
A/B
CL7
CL9
CL8
YVC
B2
B3
R32 0
RB105 100
RB106 100
RB107 100
RB108 100
R103 33
R104 220k
CA_CK27
CAM_CF
CAM_SY
CAM_HD
CAM_VD
CAM_BLKG
SKG
CK_27M
RB103 100k
RB104 220k
RB109 220k
RB110 220k
CI-21
CN53
B5
CA_CAM_BLKG

MB-811 (3/4)
LOT NO. 810-

MB-811 (4/4)

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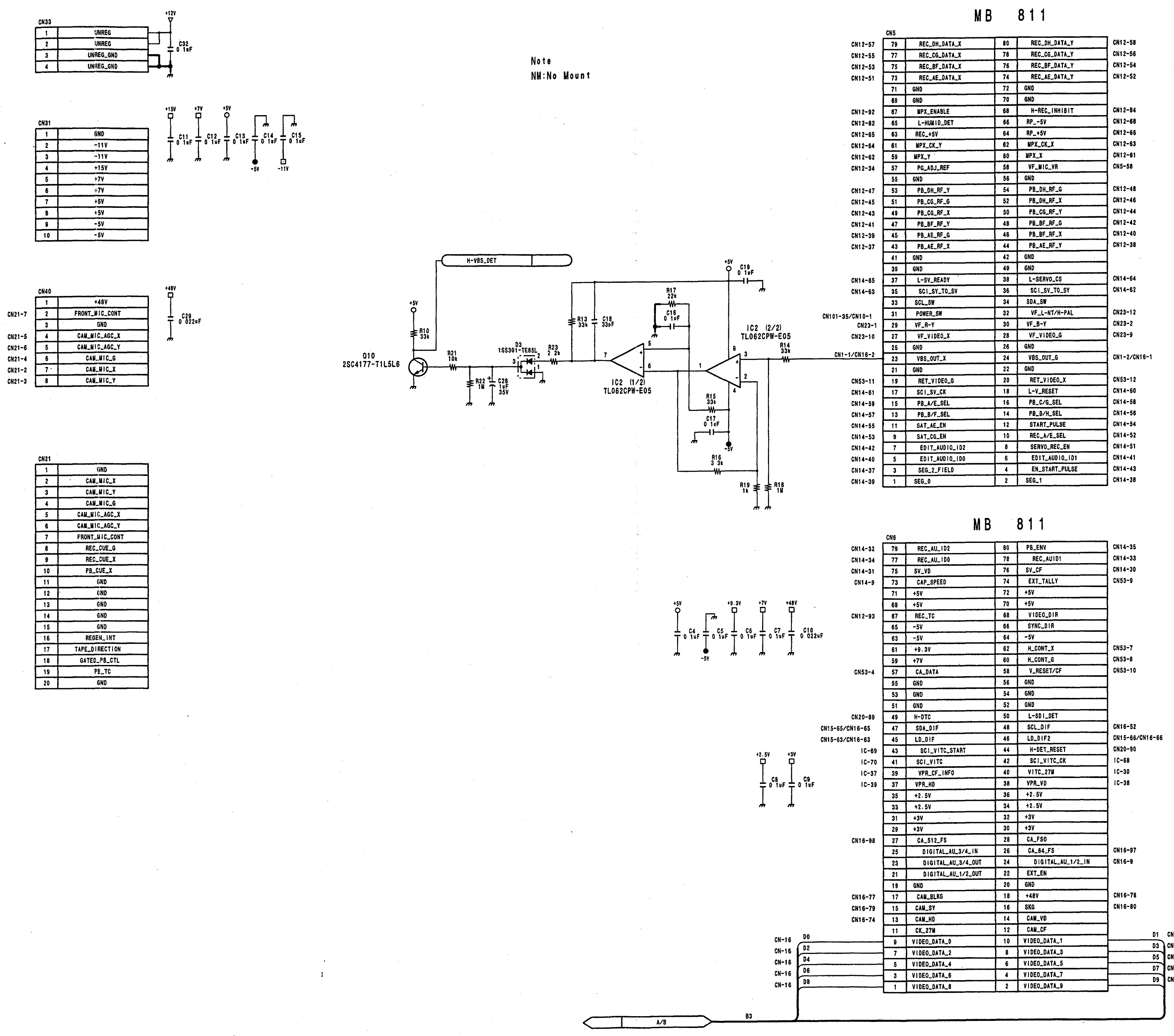
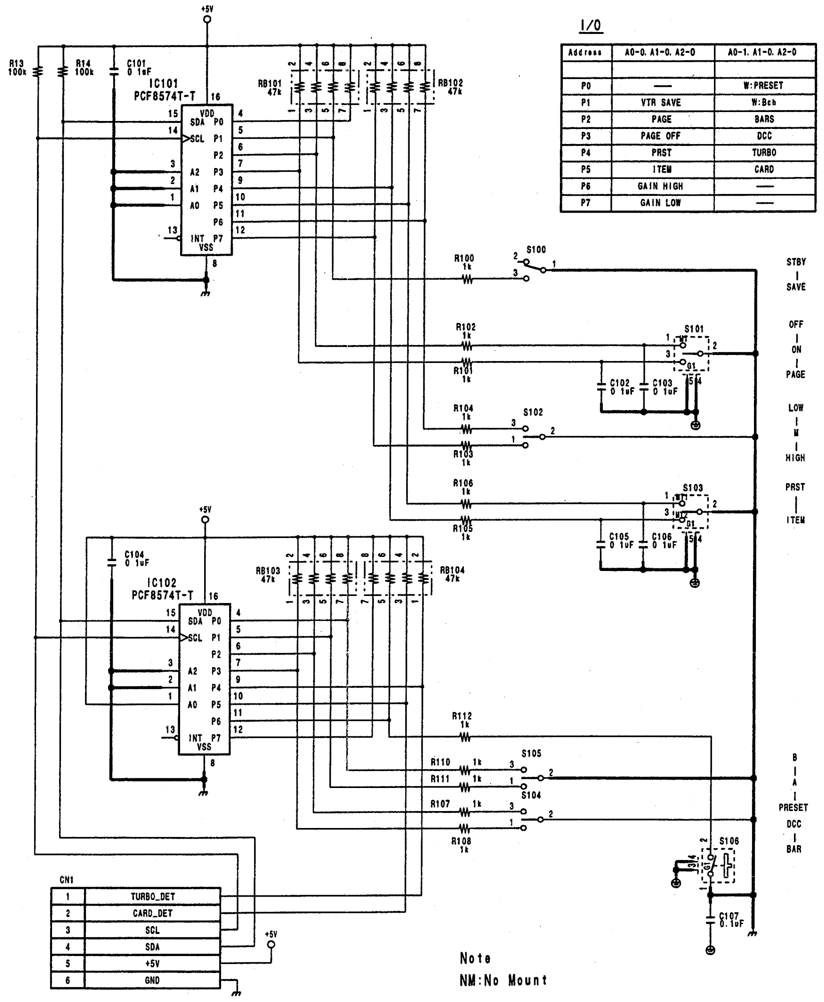

Note
NM:No Mount
CN33
1 UNREG
2 UNREG
3 UNREG_GND
4 UNREG_GND
+12V
C32 0 1uF
CN31
1 GND
2 -11V
3 -11V
4 +15V
5 +7V
6 +7V
7 +5V
8 +5V
9 -5V
10 -5V
+15V
+7V
+5V
C11 0 1uF
C12 0 1uF
C13 0 1uF
C14 0 1uF
C15 0 1uF
-5V
-11V
CN40
1 +48V
CN21-7 2 FRONT_MIC_CONT
3 GND
CN21-5 4 CAM_MIC_AGC_X
CN21-6 5 CAM_MIC_AGC_Y
CN21-4 6 CAM_MIC_G
CN21-2 7 CAM_MIC_X
CN21-3 8 CAM_MIC_Y
+48V
C29 0 022uF
CN21
1 GND
2 CAM_MIC_X
3 CAM_MIC_Y
4 CAM_MIC_G
5 CAM_MIC_AGC_X
6 CAM_MIC_AGC_Y
7 FRONT_MIC_CONT
8 REC_CUE_G
9 REC_CUE_X
10 PB_CUE_X
11 GND
12 GND
13 GND
14 GND
15 GND
16 REGEN_INT
17 TAPE_DIRECTION
18 GATED_PB_CTL
19 PB_TC
20 GND
H-VBS_DET
+5V
R10 33k
Q10
2SC4177-T1L5L6
R21 10k
R22 1M
C28 1uF 35V
D3
1SS301-TE85L
R23 2 2k
R13 33k
C18 33pF
R17 22k
C16 0 1uF
IC2 (1/2)
TL062CPW-E05
IC2 (2/2)
TL062CPW-E05
+5V
C19 0 1uF
R14 33k
R15 33k
C17 0 1uF
-5V
R16 3 3k
R19 1k
R18 1M
CN1-1/CN16-2
MB 811
CN5
CN12-57 79 REC_DH_DATA_X 80 REC_DH_DATA_Y CN12-58
CN12-55 77 REC_CG_DATA_X 78 REC_CG_DATA_Y CN12-56
CN12-53 75 REC_BF_DATA_X 76 REC_BF_DATA_Y CN12-54
CN12-51 73 REC_AE_DATA_X 74 REC_AE_DATA_Y CN12-52
71 GND 72 GND
69 GND 70 GND
CN12-92 67 MPX_ENABLE 68 H-REC_INHIBIT CN12-84
CN12-82 65 L-HUMID_DET 66 RP_-5V CN12-68
CN12-65 63 REC_+5V 64 RP_+5V CN12-66
CN12-64 61 MPX_CK_Y 62 MPX_CK_X CN12-63
CN12-62 59 MPX_Y 60 MPX_X CN12-61
CN12-34 57 PG_ADJ_REF 58 VF_MIC_VR CN5-58
55 GND 56 GND
CN12-47 53 PB_DH_RF_Y 54 PB_DH_RF_G CN12-48
CN12-45 51 PB_CG_RF_G 52 PB_DH_RF_X CN12-46
CN12-43 49 PB_CG_RF_X 50 PB_CG_RF_Y CN12-44
CN12-41 47 PB_BF_RF_Y 48 PB_BF_RF_G CN12-42
CN12-39 45 PB_AE_RF_G 46 PB_BF_RF_X CN12-40
CN12-37 43 PB_AE_RF_X 44 PB_AE_RF_Y CN12-38
41 GND 42 GND
39 GND 40 GND
CN14-65 37 L-SV_READY 38 L-SERVO_CS CN14-64
CN14-63 35 SCI_SY_TO_SV 36 SCI_SV_TO_SY CN14-62
33 SCL_SW 34 SDA_SW
CN101-35/CN10-1 31 POWER_SW 32 VF_L-NT/H-PAL CN23-12
CN23-1 29 VF_R-Y 30 VF_B-Y CN23-2
CN23-10 27 VF_VIDEO_X 28 VF_VIDEO_G CN23-9
25 GND 26 GND
CN1-1/CN16-2 23 VBS_OUT_X 24 VBS_OUT_G CN1-2/CN16-1
21 GND 22 GND
CN53-11 19 RET_VIDEO_G 20 RET_VIDEO_X CN53-12
CN14-61 17 SCI_SV_CK 18 L-V_RESET CN14-60
CN14-59 15 PB_A/E_SEL 16 PB_C/G_SEL CN14-58
CN14-57 13 PB_B/F_SEL 14 PB_D/H_SEL CN14-56
CN14-55 11 SAT_AE_EN 12 START_PULSE CN14-54
CN14-53 9 SAT_CG_EN 10 REC_A/E_SEL CN14-52
CN14-42 7 EDIT_AUDIO_ID2 8 SERVO_REC_EN CN14-51
CN14-40 5 EDIT_AUDIO_ID0 6 EDIT_AUDIO_ID1 CN14-41
CN14-37 3 SEG_2_FIELD 4 EN_START_PULSE CN14-43
CN14-39 1 SEG_0 2 SEG_1 CN14-38
MB 811
CN6
CN14-32 79 REC_AU_ID2 80 PB_ENV CN14-35
CN14-34 77 REC_AU_ID0 78 REC_AUID1 CN14-33
CN14-31 75 SV_VD 76 SV_CF CN14-30
CN14-9 73 CAP_SPEED 74 EXT_TALLY CN53-9
71 +5V 72 +5V
69 +5V 70 +5V
CN12-93 67 REC_TC 68 VIDEO_DIR
65 -5V 66 SYNC_DIR
63 -5V 64 -5V
61 +9.3V 62 H_CONT_X CN53-7
59 +7V 60 H_CONT_G CN53-8
CN53-4 57 CA_DATA 58 V_RESET/CF CN53-10
55 GND 56 GND
53 GND 54 GND
51 GND 52 GND
CN20-89 49 H-DTC 50 L-SDI_DET
CN15-65/CN16-65 47 SDA_DIF 48 SCL_DIF CN16-52
CN15-63/CN16-63 45 LD_DIF 46 LD_DIF2 CN15-66/CN16-66
IC-69 43 SCI_VITC_START 44 H-DET_RESET CN20-90
IC-70 41 SCI_VITC 42 SCI_VITC_CK IC-68
IC-37 39 VPR_CF_INFO 40 VITC_27M IC-30
IC-39 37 VPR_HD 38 VPR_VD IC-38
35 +2.5V 36 +2.5V
33 +2.5V 34 +2.5V
31 +3V 32 +3V
29 +3V 30 +3V
CN16-98 27 CA_512_FS 28 CA_FS0
25 DIGITAL_AU_3/4_IN 26 CA_64_FS CN16-97
23 DIGITAL_AU_3/4_OUT 24 DIGITAL_AU_1/2_IN CN16-9
21 DIGITAL_AU_1/2_OUT 22 EXT_EN
19 GND 20 GND
CN16-77 17 CAM_BLKG 18 +48V CN16-78
CN16-79 15 CAM_SY 16 SKG CN16-80
CN16-74 13 CAM_HD 14 CAM_VD
11 CK_27M 12 CAM_CF
CN-16 D0 9 VIDEO_DATA_0 10 VIDEO_DATA_1 D1 CN-16
CN-16 D2 7 VIDEO_DATA_2 8 VIDEO_DATA_3 D3 CN-16
CN-16 D4 5 VIDEO_DATA_4 6 VIDEO_DATA_5 D5 CN-16
CN-16 D6 3 VIDEO_DATA_6 4 VIDEO_DATA_7 D7 CN-16
CN-16 D8 1 VIDEO_DATA_8 2 VIDEO_DATA_9 D9 CN-16
+5V
C4 0 1uF
C5 0 1uF
-5V
+9.3V
C6 0 1uF
+7V
C7 0 1uF
+48V
C10 0 022uF
+2.5V
C8 0 1uF
+3V
C9 0 1uF
A/B
B3

MB-811 (4/4)
LOT NO. 810-

4-112

A | B | C | D | E | F | G | H

CP-329


+5V
R13
100k
R14
100k
C101
0 1uF
IC101
PCF8574T-T
VDD
SDA
SCL
A2
A1
A0
INT
VSS
P0
P1
P2
P3
P4
P5
P6
P7
RB101
47k
RB102
47k
R100
1k
S100
STBY
SAVE
R102
1k
R101
1k
S101
C102
0 1uF
C103
0 1uF
OFF
ON
PAGE
R104
1k
R103
1k
S102
LOW
M
HIGH
R106
1k
R105
1k
S103
C105
0 1uF
C106
0 1uF
PRST
ITEM
C104
0 1uF
IC102
PCF8574T-T
RB103
47k
RB104
47k
R112
1k
R110
1k
R111
1k
S105
S104
R107
1k
R108
1k
B
A
PRESET
DCC
BAR
S106
C107
0.1uF
CN1
1 TURBO_DET
2 CARD_DET
3 SCL
4 SDA
5 +5V
6 GND

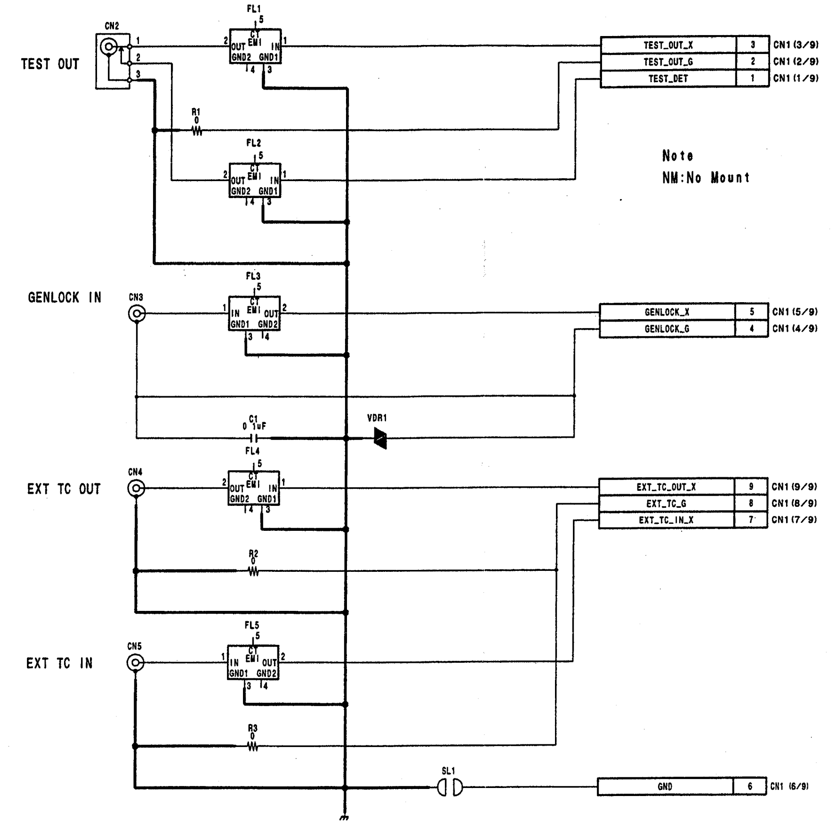
I/O

Address	A0-0, A1-0, A2-0	A0-1, A1-0, A2-0
P0	—	W:PRESET
P1	VTR SAVE	W:Bch
P2	PAGE	BARS
P3	PAGE OFF	DCC
P4	PRST	TURBO
P5	ITEM	CARD
P6	GAIN HIGH	—
P7	GAIN LOW	—

Note
NM:No Mount

CP-329
LOT NO. 810-

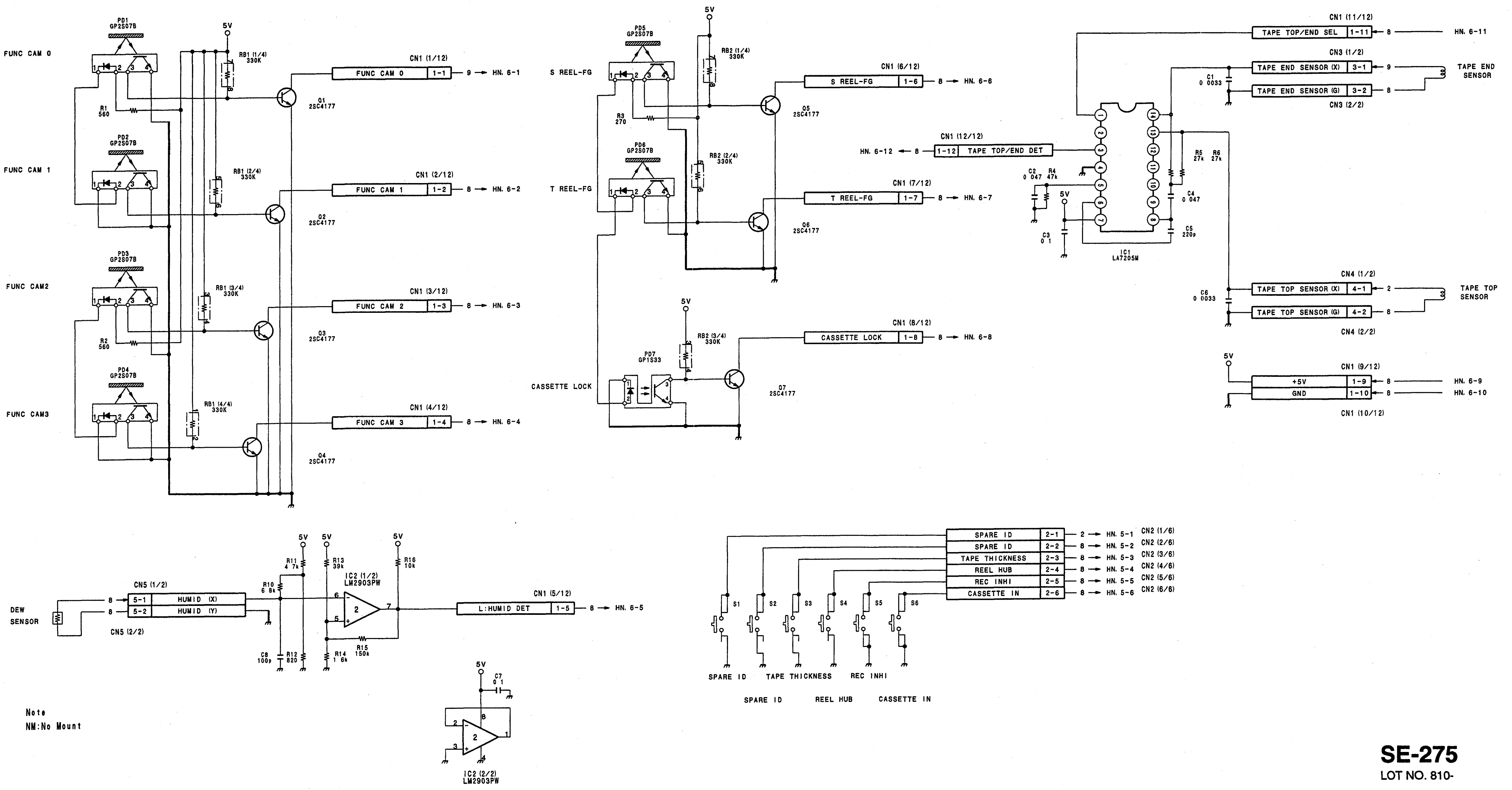
4-113


TEST OUT
CN2
1
2
3
FL1
5
CT
EMI
2 OUT
IN 1
GND2
GND1
4
3
R1
0
FL2
Note
NM:No Mount
TEST_OUT_X 3 CN1 (3/9)
TEST_OUT_G 2 CN1 (2/9)
TEST_DET 1 CN1 (1/9)
GENLOCK IN
CN3
FL3
1 IN
OUT 2
GND1
GND2
GENLOCK_X 5 CN1 (5/9)
GENLOCK_G 4 CN1 (4/9)
C1
0 1uF
VDR1
FL4
EXT TC OUT
CN4
EXT_TC_OUT_X 9 CN1 (9/9)
EXT_TC_G 8 CN1 (8/9)
EXT_TC_IN_X 7 CN1 (7/9)
R2
0
FL5
EXT TC IN
CN5
R3
0
SL1
GND 6 CN1 (6/9)

IO-178

LOT NO. 810-

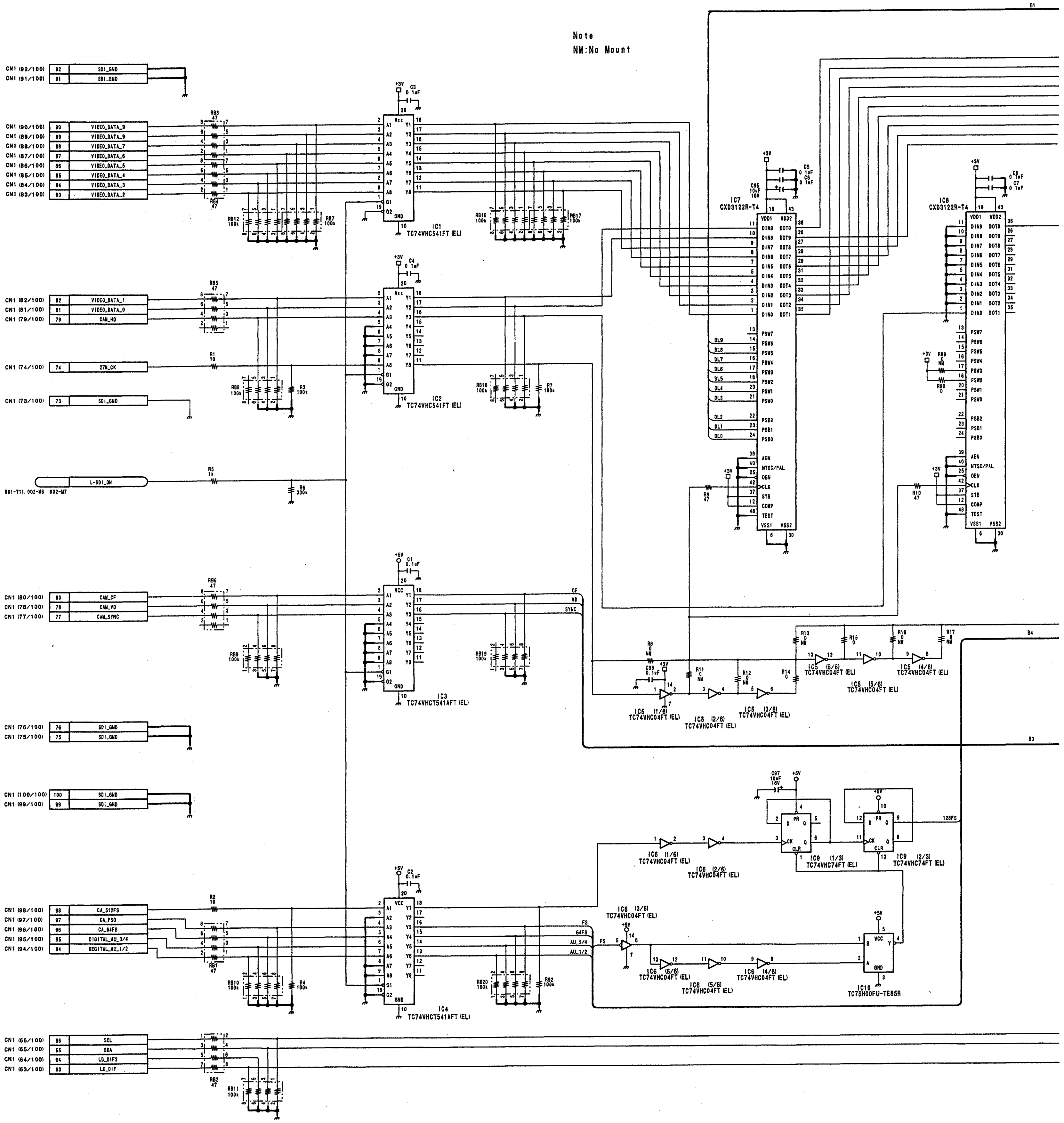
SE-275

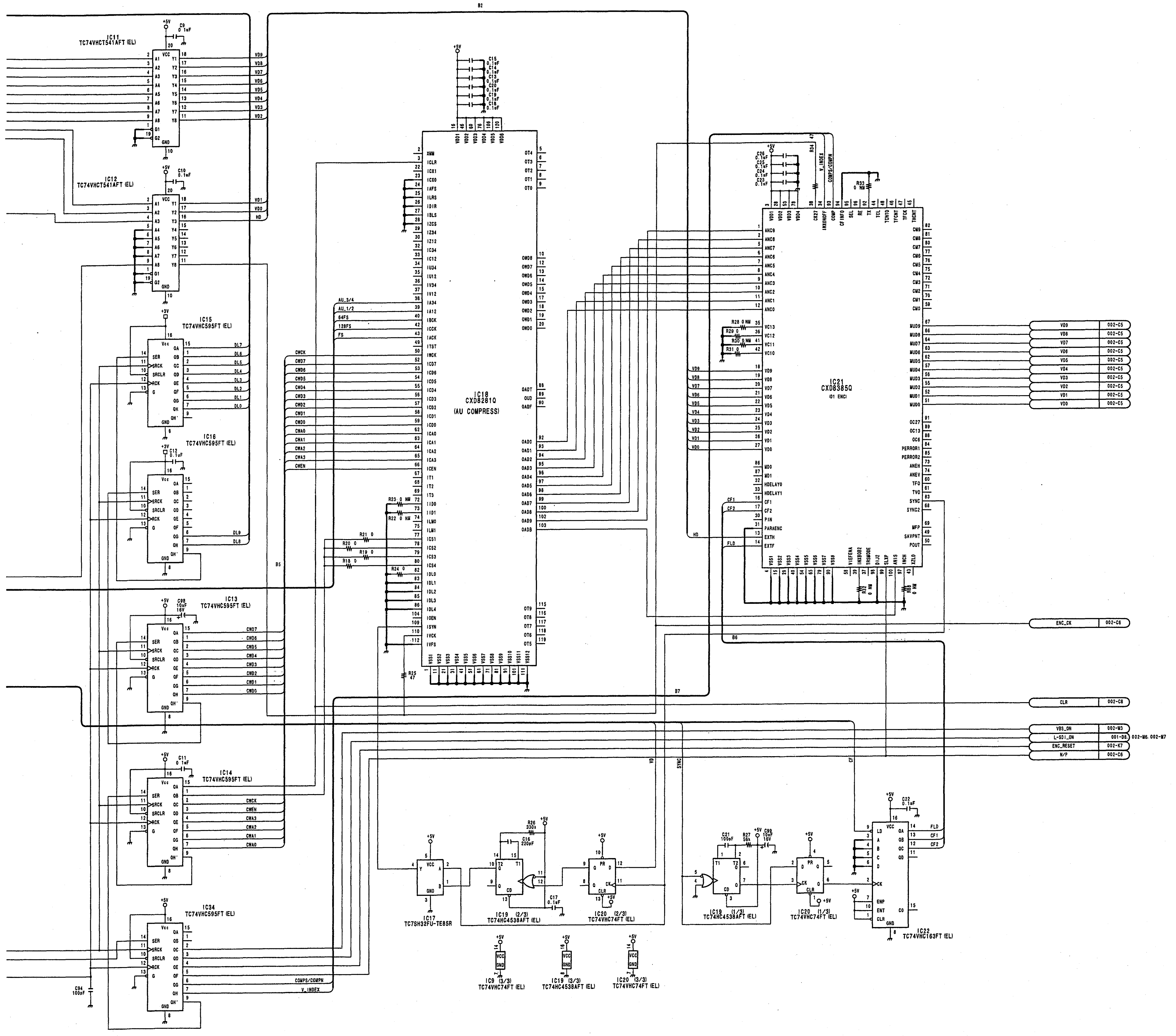

FUNC CAM 0
PD1
GP2S07B
5V
RB1 (1/4)
330K
CN1 (1/12)
FUNC CAM 0
1-1
9
HN. 6-1
R1
560
Q1
2SC4177
FUNC CAM 1
PD2
GP2S07B
RB1 (2/4)
330K
CN1 (2/12)
FUNC CAM 1
1-2
8
HN. 6-2
Q2
2SC4177
FUNC CAM2
PD3
GP2S07B
RB1 (3/4)
330K
CN1 (3/12)
FUNC CAM 2
1-3
8
HN. 6-3
R2
560
Q3
2SC4177
FUNC CAM3
PD4
GP2S07B
RB1 (4/4)
330K
CN1 (4/12)
FUNC CAM 3
1-4
8
HN. 6-4
Q4
2SC4177
S REEL-FG
PD5
GP2S07B
5V
RB2 (1/4)
330K
CN1 (6/12)
S REEL-FG
1-6
8
HN. 6-6
R3
270
Q5
2SC4177
T REEL-FG
PD6
GP2S07B
RB2 (2/4)
330K
CN1 (7/12)
T REEL-FG
1-7
8
HN. 6-7
Q6
2SC4177
CASSETTE LOCK
5V
PD7
GP1S33
RB2 (3/4)
330K
CN1 (8/12)
CASSETTE LOCK
1-8
8
HN. 6-8
Q7
2SC4177
CN1 (11/12)
TAPE TOP/END SEL
1-11
8
HN. 6-11
CN3 (1/2)
TAPE END SENSOR (X)
3-1
9
TAPE END SENSOR
C1
0 0033
TAPE END SENSOR (G)
3-2
8
CN3 (2/2)
CN1 (12/12)
HN. 6-12
8
1-12
TAPE TOP/END DET
C2
0 047
R4
47k
5V
C3
0 1
IC1
LA7205M
R5
27k
R6
27k
C4
0 047
C5
220p
CN4 (1/2)
TAPE TOP SENSOR (X)
4-1
2
TAPE TOP SENSOR
C6
0 0033
TAPE TOP SENSOR (G)
4-2
8
CN4 (2/2)
5V
CN1 (9/12)
+5V
1-9
8
HN. 6-9
GND
1-10
8
HN. 6-10
CN1 (10/12)
5V
5V
5V
R11
4 7k
R13
39k
R16
10k
IC2 (1/2)
LM2903PW
R10
6 8k
CN5 (1/2)
DEW SENSOR
8
5-1
HUMID (X)
8
5-2
HUMID (Y)
CN5 (2/2)
CN1 (5/12)
L:HUMID DET
1-5
8
HN. 6-5
C8
100p
R12
820
R14
1 6k
R15
150k
5V
C7
0 1
IC2 (2/2)
LM2903PW
SPARE ID
2-1
2
HN. 5-1
CN2 (1/6)
SPARE ID
2-2
8
HN. 5-2
CN2 (2/6)
TAPE THICKNESS
2-3
8
HN. 5-3
CN2 (3/6)
REEL HUB
2-4
8
HN. 5-4
CN2 (4/6)
REC INHI
2-5
8
HN. 5-5
CN2 (5/6)
CASSETTE IN
2-6
8
HN. 5-6
CN2 (6/6)
S1
S2
S3
S4
S5
S6
SPARE ID
TAPE THICKNESS
REC INHI
SPARE ID
REEL HUB
CASSETTE IN

Note
NM:No Mount

SE-275
LOT NO. 810-

4-115


Note
NM:No Mount
CN1
SDI_GND
VIDEO_DATA_9
VIDEO_DATA_8
VIDEO_DATA_7
VIDEO_DATA_6
VIDEO_DATA_5
VIDEO_DATA_4
VIDEO_DATA_3
VIDEO_DATA_2
VIDEO_DATA_1
VIDEO_DATA_0
CAM_HD
27M_CK
L-SDI_ON
CAM_CF
CAM_VD
CAM_SYNC
CA_512FS
CA_FS0
CA_64FS
DIGITAL_AU_3/4
DIGITAL_AU_1/2
SCL
SDA
LD_SIF2
LD_SIF
IC1 TC74VHC541FT (EL)
IC2 TC74VHC541FT (EL)
IC3 TC74VHCT541AFT (EL)
IC4 TC74VHCT541AFT (EL)
IC7 CXD3122R-T4
IC8 CXD3122R-T4
IC5 TC74VHC04FT (EL)
IC6 TC74VHC04FT (EL)
IC9 TC74VHC74FT (EL)
IC10 TC7SH00FU-TE85R
128FS
+3V
+5V


IC11 TC74VHCT541AFT (EL)
IC12 TC74VHCT541AFT (EL)
IC15 TC74VHC595FT (EL)
IC16 TC74VHC595FT (EL)
IC13 TC74VHC595FT (EL)
IC14 TC74VHC595FT (EL)
IC34 TC74VHC595FT (EL)
IC18 CXD8281Q (AU COMPRESS)
IC21 CXD8385Q (D1 ENC)
IC17 TC7SH32FU-TE85R
IC19 (2/3) TC74HC4538AFT (EL)
IC20 (2/3) TC74VHC74FT (EL)
IC19 (1/3) TC74HC4538AFT (EL)
IC20 (1/3) TC74VHC74FT (EL)
IC22 TC74VHC163FT (EL)
IC9 (3/3) TC74VHC74FT (EL)
IC19 (3/3) TC74HC4538AFT (EL)
IC20 (3/3) TC74VHC74FT (EL)
VD9 002-C5
VD8 002-C5
VD7 002-C5
VD6 002-C5
VD5 002-C5
VD4 002-C5
VD3 002-C5
VD2 002-C5
VD1 002-C5
VD0 002-C5
ENC_CK 002-C6
CLR 002-C6
VBS_ON 002-W3
L-SD1_ON 001-D6 002-M6,002-M7
ENC_RESET 002-K7
N/P 002-C6
1
2
3
4
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DIF-75 (1/2)

BKDW-702
LOT NO. 811-

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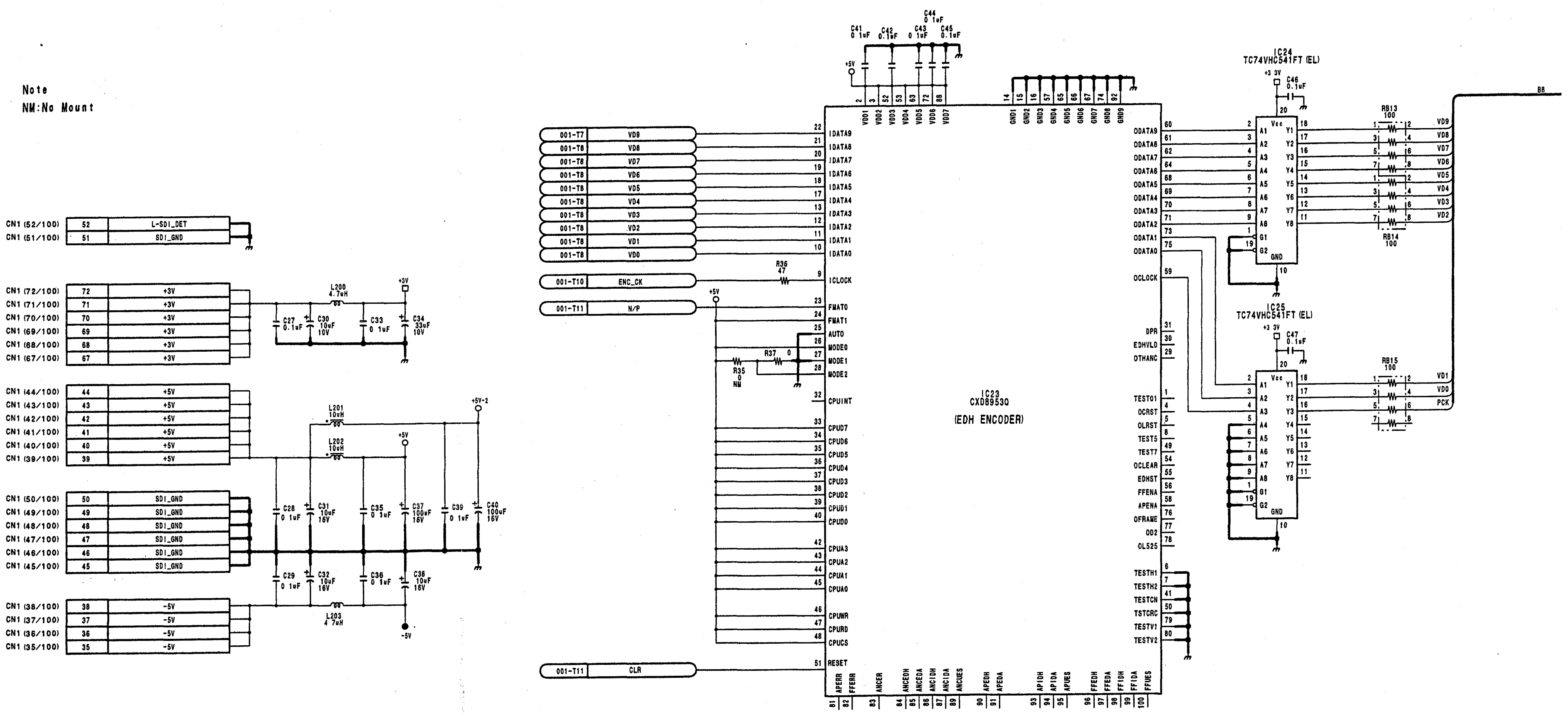
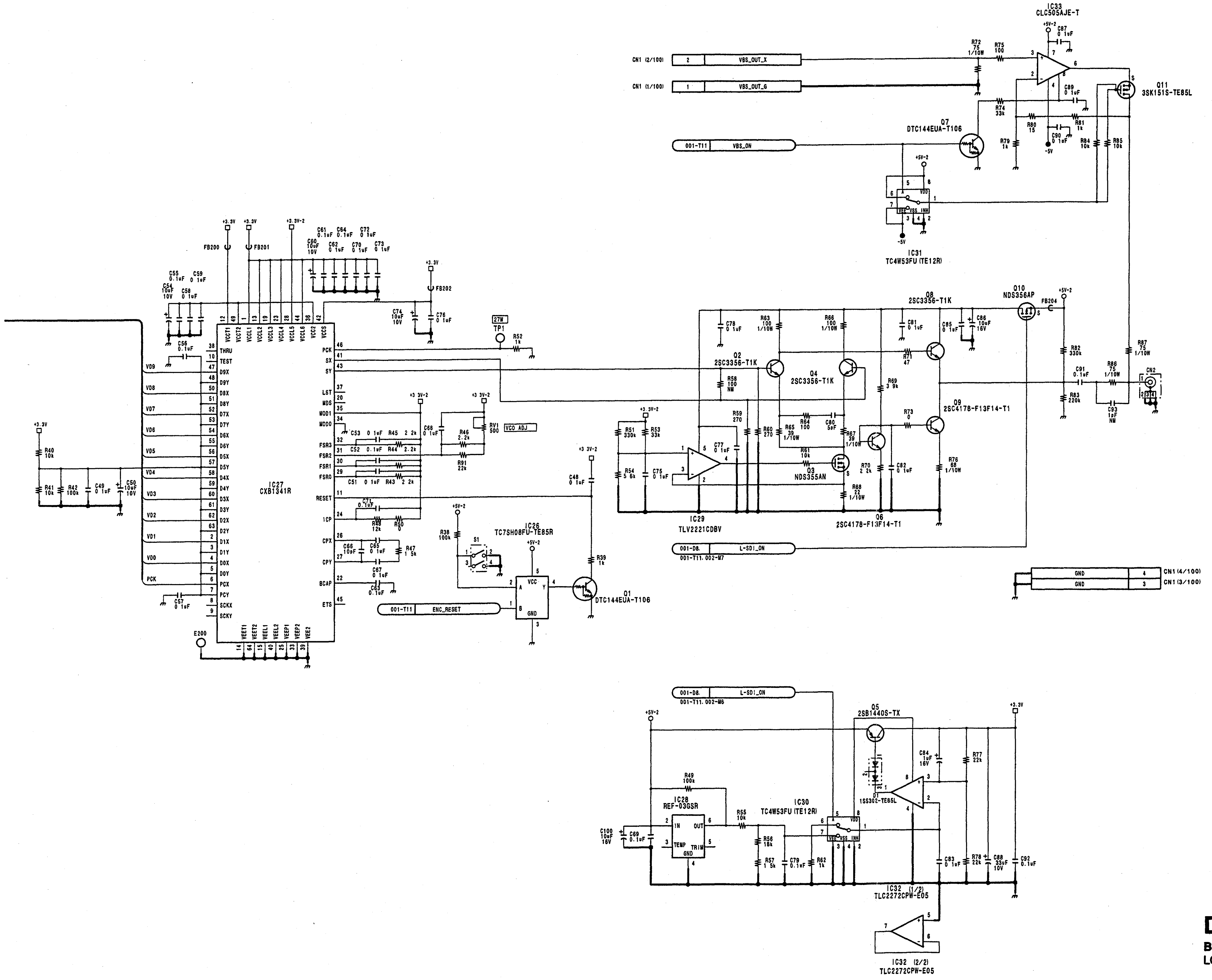

Note
NM:No Mount
CN1 (52/100) 52 L-SDI_DET
CN1 (51/100) 51 SDI_GND
CN1 (72/100) 72 +3V
CN1 (71/100) 71 +3V
CN1 (70/100) 70 +3V
CN1 (69/100) 69 +3V
CN1 (68/100) 68 +3V
CN1 (67/100) 67 +3V
CN1 (44/100) 44 +5V
CN1 (43/100) 43 +5V
CN1 (42/100) 42 +5V
CN1 (41/100) 41 +5V
CN1 (40/100) 40 +5V
CN1 (39/100) 39 +5V
CN1 (50/100) 50 SDI_GND
CN1 (49/100) 49 SDI_GND
CN1 (48/100) 48 SDI_GND
CN1 (47/100) 47 SDI_GND
CN1 (46/100) 46 SDI_GND
CN1 (45/100) 45 SDI_GND
CN1 (38/100) 38 -5V
CN1 (37/100) 37 -5V
CN1 (36/100) 36 -5V
CN1 (35/100) 35 -5V
L200 4.7uH
+3V
C27 0.1uF
C30 10uF 10V
C33 0 1uF
C34 33uF 10V
L201 10uH
+5V-2
L202 10uH
+5V
C28 0 1uF
C31 10uF 16V
C35 0 1uF
C37 100uF 16V
C39 0 1uF
C40 100uF 16V
C29 0 1uF
C32 10uF 16V
C36 0 1uF
C38 10uF 16V
L203 4 7uH
-5V
001-T7 VD9
001-T8 VD8
001-T8 VD7
001-T8 VD6
001-T8 VD5
001-T8 VD4
001-T8 VD3
001-T8 VD2
001-T8 VD1
001-T8 VD0
001-T10 ENC_CK
001-T11 N/P
001-T11 CLR
R36 47
R37 0
R35 0 NM
C41 0 1uF
C42 0.1uF
C43 0 1uF
C44 0 1uF
C45 0.1uF
VDD1 VDD2 VDD3 VDD4 VDD5 VDD6 VDD7
GND1 GND2 GND3 GND4 GND5 GND6 GND7 GND8 GND9
IDATA9 IDATA8 IDATA7 IDATA6 IDATA5 IDATA4 IDATA3 IDATA2 IDATA1 IDATA0
ICLOCK
FMAT0 FMAT1 AUTO MODE0 MODE1 MODE2
CPUINT
CPUD7 CPUD6 CPUD5 CPUD4 CPUD3 CPUD2 CPUD1 CPUD0
CPUA3 CPUA2 CPUA1 CPUA0
CPUWR CPURD CPUCS
RESET
IC23
CXD8953Q
(EDH ENCODER)
ODATA9 ODATA8 ODATA7 ODATA6 ODATA5 ODATA4 ODATA3 ODATA2 ODATA1 ODATA0
OCLOCK
DPR EDHVLD OTHANC
TEST01 OCRST OLRST TEST5 TEST7 OCLEAR EDHST FFENA APENA OFRAME OD2 OL525
TESTH1 TESTH2 TESTCN TSTCRC TESTV1 TESTV2
APERR FFERR ANCER ANCEDH ANCEDA ANCIDH ANCIDA ANCUES APEDH APEDA APIDH APIDA APUES FFEDH FFEDA FFIDH FFIDA FFUES
IC24
TC74VHC541FT (EL)
+3 3V
C46 0.1uF
IC25
TC74VHC541FT (EL)
C47 0.1uF
Vcc GND
A1 A2 A3 A4 A5 A6 A7 A8 G1 G2
Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y8
RB13 100
RB14 100
RB15 100
VD9 VD8 VD7 VD6 VD5 VD4 VD3 VD2
VD1 VD0 PCK
B8

A | B | C | D | E | F | G | H


IC33
CLC505AJE-T
Q11
3SK151S-TE85L
D7
DTC144EUA-T106
IC31
TC4W53FU (TE12R)
CN1 (2/100)
VBS_OUT_X
CN1 (1/100)
VBS_OUT_G
001-T11
VBS_ON
IC27
CXB1341R
Q8
2SC3356-T1K
Q10
NDS356AP
Q2
2SC3356-T1K
Q4
2SC3356-T1K
Q9
2SC4178-F13F14-T1
Q3
NDS355AN
Q6
2SC4178-F13F14-T1
IC29
TLV2221CDBV
001-D8
L-SDI_ON
001-T11, 002-W7
CN1 (4/100)
CN1 (3/100)
GND
CN2
TP1
RV1
500
VCO ADJ
IC26
TC7SH08FU-TE85R
S1
Q1
DTC144EUA-T106
ENC_RESET
E200
Q5
2SB1440S-TX
IC28
REF-03GSR
IC30
TC4W53FU (TE12R)
D1
1SS302-TE85L
IC32 (1/2)
TLC2272CPW-E05
IC32 (2/2)
TLC2272CPW-E05
+3.3V
+5V-2
-5V

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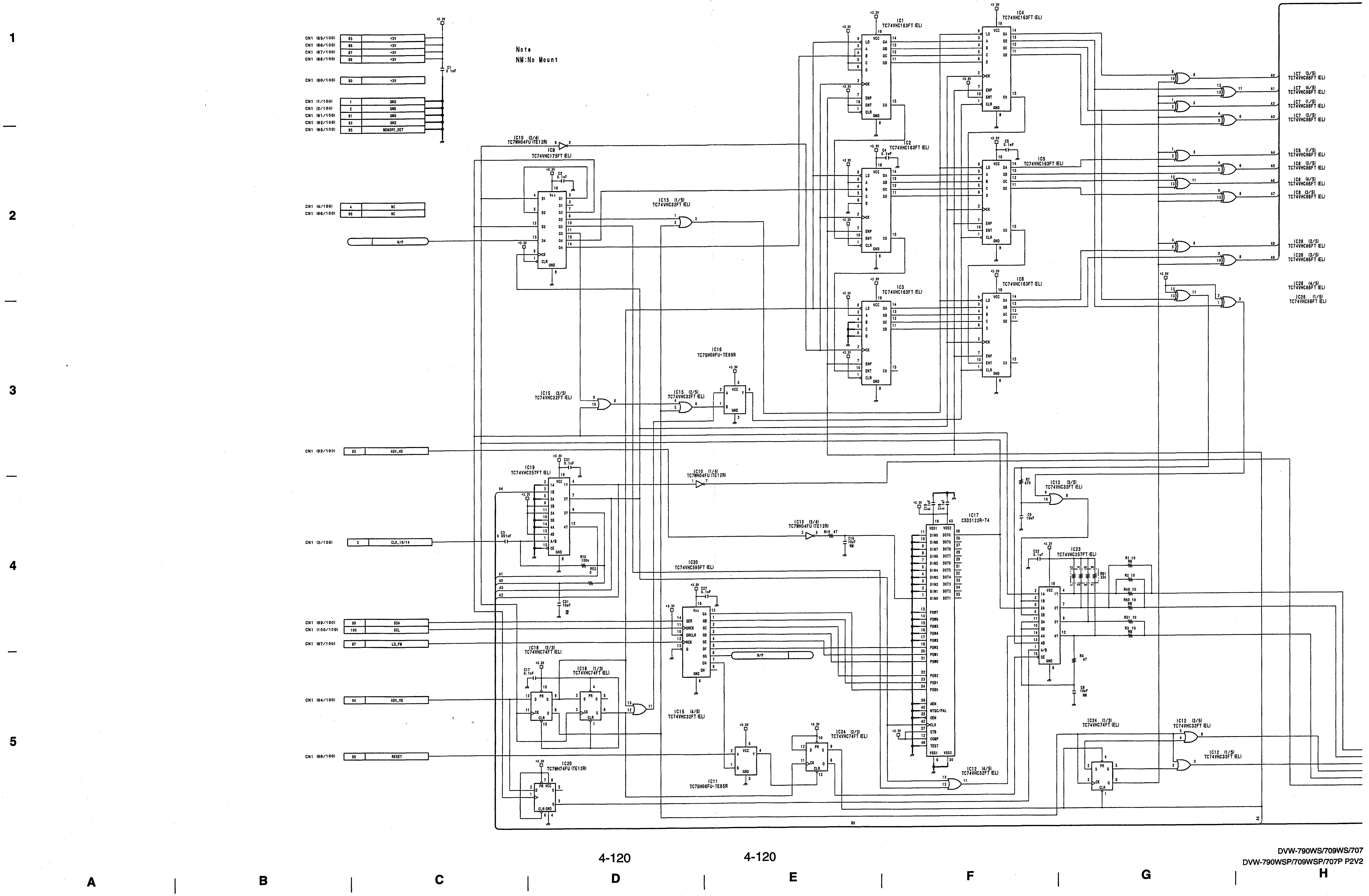
DIF-75 (2/2)

BKDW-702
LOT NO. 811-


1
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A
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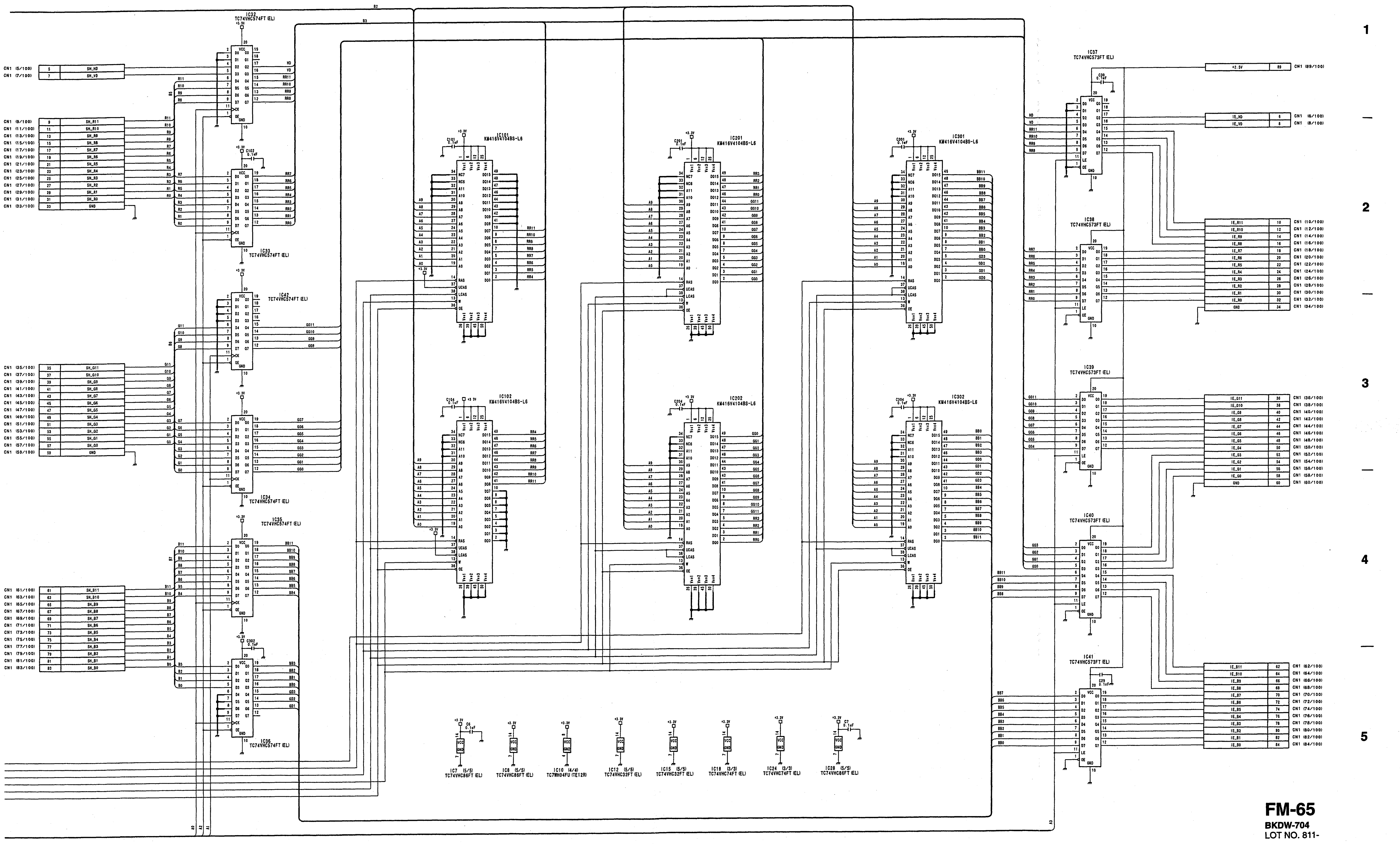
C
D
E
F
G
H
Note
NM:No Mount
CN1 (85/100) 85 +3V
CN1 (86/100) 86 +3V
CN1 (87/100) 87 +3V
CN1 (88/100) 88 +3V
CN1 (90/100) 90 +5V
CN1 (1/100) 1 GND
CN1 (2/100) 2 GND
CN1 (91/100) 91 GND
CN1 (92/100) 92 GND
CN1 (95/100) 95 MEMORY_DET
CN1 (4/100) 4 NC
CN1 (96/100) 96 NC
N/P
CN1 (93/100) 93 ADV_HD
CN1 (3/100) 3 CLK_18/14
CN1 (99/100) 99 SDA
CN1 (100/100) 100 SCL
CN1 (97/100) 97 LD_FM
CN1 (94/100) 94 ADV_VD
CN1 (98/100) 98 RESET
+3.3V
C1 0.1uF
IC10 (2/4) TC7WH04FU (TE12R)
IC9 TC74VHC175FT (EL)
C2 0.1uF
IC15 (1/5) TC74VHC32FT (EL)
IC15 (3/5) TC74VHC32FT (EL)
IC15 (2/5) TC74VHC32FT (EL)
IC16 TC7SH08FU-TE85R
IC1 TC74VHC163FT (EL)
IC2 TC74VHC163FT (EL)
IC3 TC74VHC163FT (EL)
IC4 TC74VHC163FT (EL)
IC5 TC74VHC163FT (EL)
IC6 TC74VHC163FT (EL)
C4 0.1uF
C5 0.1uF
IC7 (3/5) TC74VHC86FT (EL) A0
IC7 (4/5) TC74VHC86FT (EL) A1
IC7 (1/5) TC74VHC86FT (EL) A2
IC7 (2/5) TC74VHC86FT (EL) A3
IC8 (1/5) TC74VHC86FT (EL) A4
IC8 (2/5) TC74VHC86FT (EL) A5
IC8 (4/5) TC74VHC86FT (EL) A6
IC8 (3/5) TC74VHC86FT (EL) A7
IC28 (2/5) TC74VHC86FT (EL) A8
IC28 (3/5) TC74VHC86FT (EL) A9
IC28 (4/5) TC74VHC86FT (EL)
IC28 (1/5) TC74VHC86FT (EL)
IC19 TC74VHC257FT (EL)
C21 0.1uF
C3 0.001uF
R10 150k
R52
C31 10uF
A4
A1
A0
A3
A2
IC10 (1/4) TC7WH04FU (TE12R)
IC10 (3/4) TC7WH04FU (TE12R)
R19 47
C16 10pF NM
IC17 CXD3122R-T4
IC30 TC74VHC595FT (EL)
C27 0.1uF
IC18 (2/3) TC74VHC74FT (EL)
IC18 (1/3) TC74VHC74FT (EL)
C17 0.1uF
IC15 (4/5) TC74VHC32FT (EL)
IC20 TC7WH74FU (TE12R)
IC11 TC7SH08FU-TE85R
IC24 (2/3) TC74VHC74FT (EL)
IC12 (4/5) TC74VHC32FT (EL)
IC12 (3/5) TC74VHC32FT (EL)
R7 470
C9 10pF
IC23 TC74VHC257FT (EL)
C22 0.1uF
R1 10 NM
R2 10 NM
R49 10
R50 10 NM
R51 10
R3 10 NM
R61 33k
R4 47
C8 10pF NM
IC24 (1/3) TC74VHC74FT (EL)
IC12 (2/5) TC74VHC32FT (EL)
IC12 (1/5) TC74VHC32FT (EL)
88


IC32 TC74VHC574FT (EL)
IC33 TC74VHC574FT (EL)
IC42 TC74VHC574FT (EL)
IC34 TC74VHC574FT (EL)
IC35 TC74VHC574FT (EL)
IC36 TC74VHC574FT (EL)
IC101 KM416V4104BS-L6
IC102 KM416V4104BS-L6
IC201 KM416V4104BS-L6
IC202 KM416V4104BS-L6
IC301 KM416V4104BS-L6
IC302 KM416V4104BS-L6
IC37 TC74VHC573FT (EL)
IC38 TC74VHC573FT (EL)
IC39 TC74VHC573FT (EL)
IC40 TC74VHC573FT (EL)
IC41 TC74VHC573FT (EL)
IC7 (5/5) TC74VHC86FT (EL)
IC8 (5/5) TC74VHC86FT (EL)
IC10 (4/4) TC7WH04FU (TE12R)
IC12 (5/5) TC74VHC32FT (EL)
IC15 (5/5) TC74VHC32FT (EL)
IC18 (3/3) TC74VHC74FT (EL)
IC24 (3/3) TC74VHC74FT (EL)
IC28 (5/5) TC74VHC86FT (EL)
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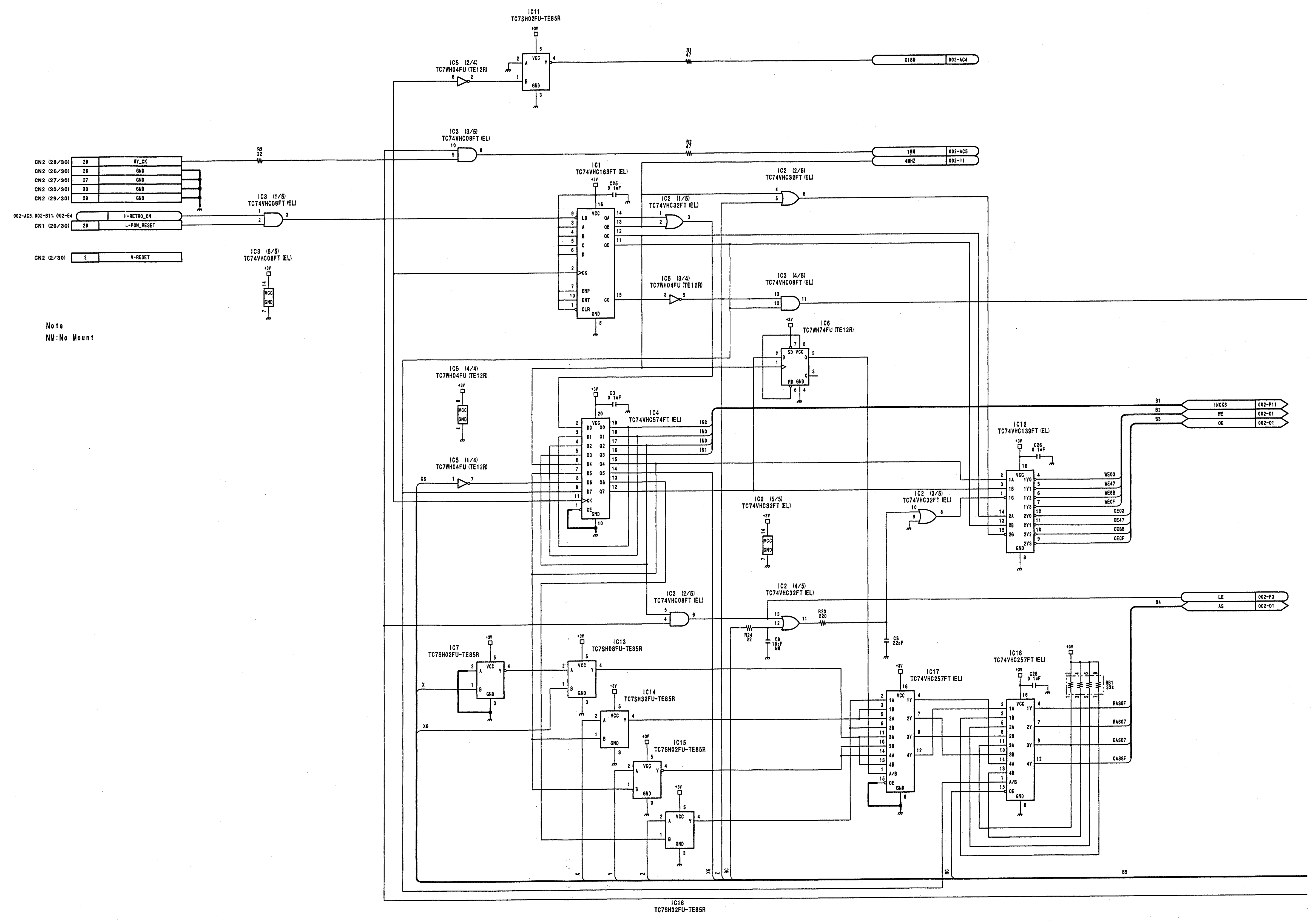
FM-65
BKDW-704
LOT NO. 811-

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

I | J | K | L | M | N | O | P


IC11
TC7SH02FU-TE85R
IC5 (2/4)
TC7WH04FU (TE12R)
R1 47
X18M 002-AC4
IC3 (3/5)
TC74VHC08FT (EL)
R3 22
R2 47
18M 002-AC5
4MHZ 002-I1
CN2 (28/30) 28 MY_CK
CN2 (26/30) 26 GND
CN2 (27/30) 27 GND
CN2 (30/30) 30 GND
CN2 (29/30) 29 GND
002-AC5, 002-B11, 002-E4 H-RETRO_ON
CN1 (20/30) 20 L-PON_RESET
CN2 (2/30) 2 V-RESET
IC3 (1/5)
TC74VHC08FT (EL)
IC3 (5/5)
TC74VHC08FT (EL)
IC1
TC74VHC163FT (EL)
C25 0.1uF
IC2 (1/5)
TC74VHC32FT (EL)
IC2 (2/5)
TC74VHC32FT (EL)
IC5 (3/4)
TC7WH04FU (TE12R)
IC3 (4/5)
TC74VHC08FT (EL)
IC6
TC7WH74FU (TE12R)
Note
NM:No Mount
IC5 (4/4)
TC7WH04FU (TE12R)
IC4
TC74VHC574FT (EL)
C3 0.1uF
IN2 IN3 IN0 IN1
INCKS 002-P11
WE 002-O1
OE 002-O1
IC12
TC74VHC139FT (EL)
C26 0.1uF
WE03 WE47 WE8B WECF
OE03 OE47 OE8B OECF
IC5 (1/4)
TC7WH04FU (TE12R)
X6
IC2 (5/5)
TC74VHC32FT (EL)
IC2 (3/5)
TC74VHC32FT (EL)
IC3 (2/5)
TC74VHC08FT (EL)
IC2 (4/5)
TC74VHC32FT (EL)
R23 220
R24 22
C9 10pF NM
C8 22pF
LE 002-P3
AS 002-O1
IC7
TC7SH02FU-TE85R
IC13
TC7SH08FU-TE85R
IC14
TC7SH32FU-TE85R
IC15
TC7SH02FU-TE85R
IC17
TC74VHC257FT (EL)
IC18
TC74VHC257FT (EL)
C28 0.1uF
RB1 33k
RAS8F RAS07 CAS07 CAS8F
B1 B2 B3 B4 B5
IC16
TC7SH32FU-TE85R
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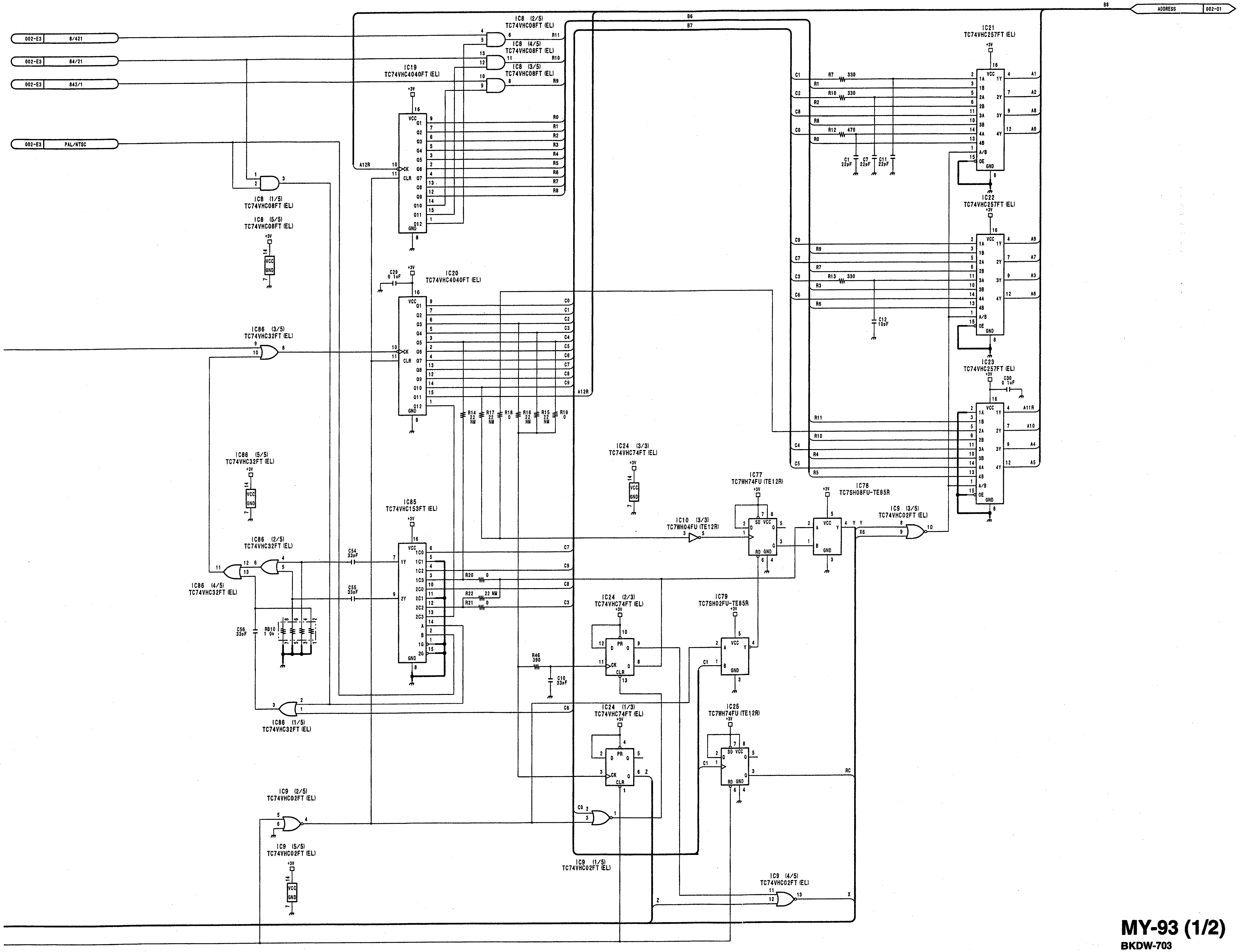
A B C D E F G H


002-E3 B/421
002-E3 B4/21
002-E3 B42/1
002-E3 PAL/NTSC
ADDRESS 002-01
B8
B6
B7
IC8 (2/5) TC74VHC08FT (EL)
IC8 (4/5) TC74VHC08FT (EL)
IC8 (3/5) TC74VHC08FT (EL)
IC19 TC74VHC4040FT (EL)
IC8 (1/5) TC74VHC08FT (EL)
IC8 (5/5) TC74VHC08FT (EL)
IC20 TC74VHC4040FT (EL)
C29 0.1uF
IC86 (3/5) TC74VHC32FT (EL)
IC86 (5/5) TC74VHC32FT (EL)
IC86 (2/5) TC74VHC32FT (EL)
IC86 (4/5) TC74VHC32FT (EL)
IC86 (1/5) TC74VHC32FT (EL)
IC85 TC74VHC153FT (EL)
C54 33pF
C55 33pF
C56 33pF
RB10 1.0k
IC21 TC74VHC257FT (EL)
IC22 TC74VHC257FT (EL)
IC23 TC74VHC257FT (EL)
C30 0.1uF
R7 330
R10 330
R12 470
R13 330
C1 22pF
C7 22pF
C11 22pF
C12 10pF
R14 22 NM
R17 22 NM
R18 0
R15 22 NM
R13 22 NM
R19 0
IC24 (3/3) TC74VHC74FT (EL)
IC77 TC7WH74FU (TE12R)
IC78 TC7SH08FU-TE85R
IC10 (3/3) TC7WH04FU (TE12R)
IC9 (3/5) TC74VHC02FT (EL)
R20 0
R22 22 NM
R21 0
IC24 (2/3) TC74VHC74FT (EL)
IC79 TC7SH02FU-TE85R
R46 390
C10 33pF
IC24 (1/3) TC74VHC74FT (EL)
IC25 TC7WH74FU (TE12R)
IC9 (2/5) TC74VHC02FT (EL)
IC9 (5/5) TC74VHC02FT (EL)
IC9 (1/5) TC74VHC02FT (EL)
IC9 (4/5) TC74VHC02FT (EL)
A12R
X6
RC
X
Z
+3V
VCC
GND
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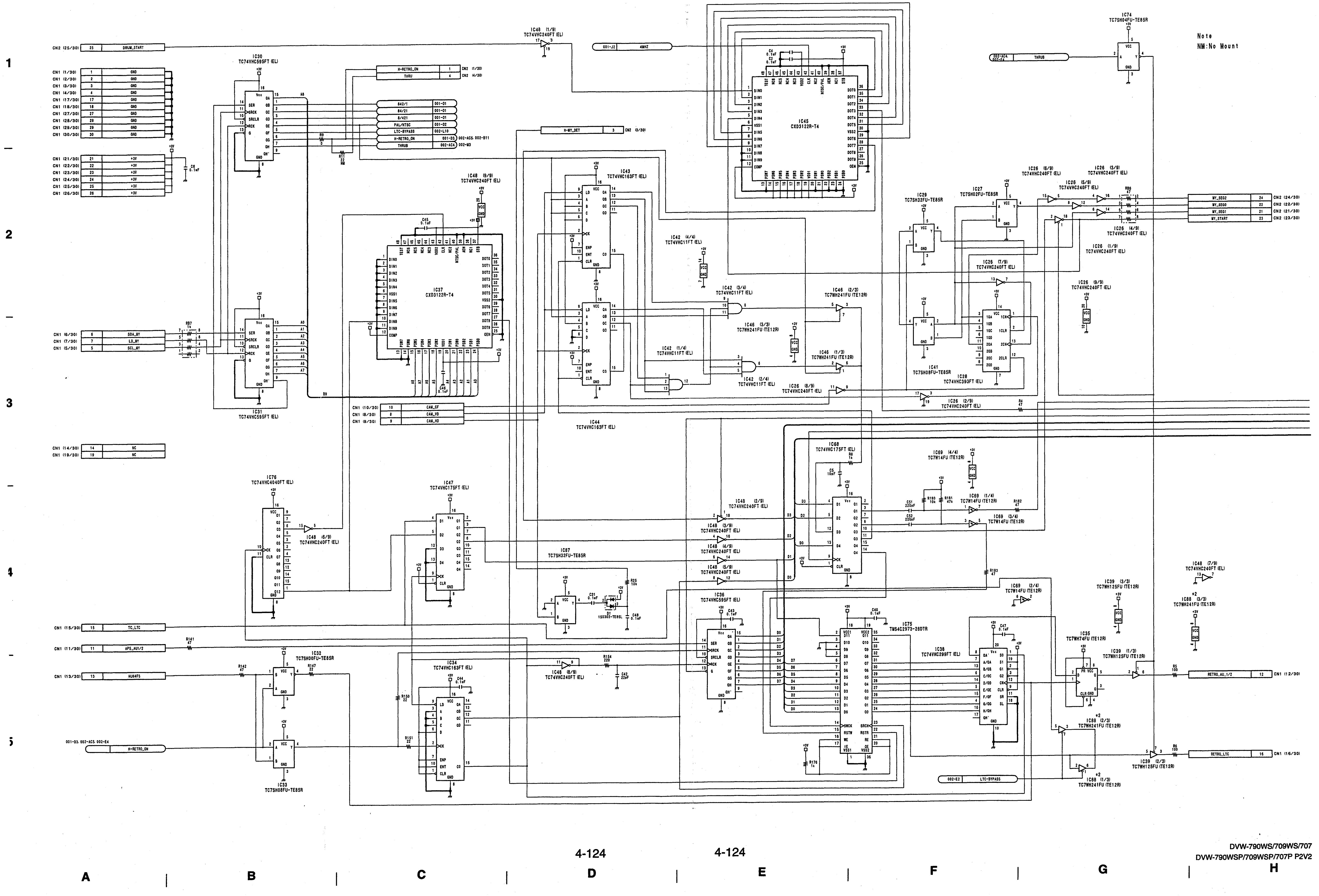
MY-93 (1/2)
BKDW-703
LOT NO. 811-


Note
NM:No Mount
IC30 TC74VHC595FT (EL)
IC31 TC74VHC595FT (EL)
IC37 CXD3122R-T4
IC45 CXD3122R-T4
IC43 TC74VHC163FT (EL)
IC44 TC74VHC163FT (EL)
IC48 (1/9) TC74VHC240FT (EL)
IC48 (9/9) TC74VHC240FT (EL)
IC42 (4/4) TC74VHC11FT (EL)
IC42 (3/4) TC74VHC11FT (EL)
IC42 (1/4) TC74VHC11FT (EL)
IC42 (2/4) TC74VHC11FT (EL)
IC46 (2/3) TC7WH241FU (TE12R)
IC46 (3/3) TC7WH241FU (TE12R)
IC46 (1/3) TC7WH241FU (TE12R)
IC26 (8/9) TC74VHC240FT (EL)
IC26 (2/9) TC74VHC240FT (EL)
IC26 (6/9) TC74VHC240FT (EL)
IC26 (3/9) TC74VHC240FT (EL)
IC26 (5/9) TC74VHC240FT (EL)
IC26 (4/9) TC74VHC240FT (EL)
IC26 (1/9) TC74VHC240FT (EL)
IC26 (7/9) TC74VHC240FT (EL)
IC26 (9/9) TC74VHC240FT (EL)
IC29 TC7SH32FU-TE85R
IC27 TC7SH02FU-TE85R
IC41 TC7SH08FU-TE85R
IC28 TC74VHC393FT (EL)
IC74 TC7SH04FU-TE85R
IC76 TC74VHC4040FT (EL)
IC48 (6/9) TC74VHC240FT (EL)
IC47 TC74VHC175FT (EL)
IC87 TC7SH32FU-TE85R
IC48 (2/9) TC74VHC240FT (EL)
IC48 (3/9) TC74VHC240FT (EL)
IC48 (4/9) TC74VHC240FT (EL)
IC48 (5/9) TC74VHC240FT (EL)
IC48 (7/9) TC74VHC240FT (EL)
IC48 (8/9) TC74VHC240FT (EL)
IC68 TC74VHC175FT (EL)
IC69 (4/4) TC7W14FU (TE12R)
IC69 (1/4) TC7W14FU (TE12R)
IC69 (3/4) TC7W14FU (TE12R)
IC69 (2/4) TC7W14FU (TE12R)
IC36 TC74VHC595FT (EL)
IC75 TMS4C2973-26DTR
IC38 TC74VHC299FT (EL)
IC39 (3/3) TC7WH125FU (TE12R)
IC39 (1/3) TC7WH125FU (TE12R)
IC39 (2/3) TC7WH125FU (TE12R)
IC35 TC7WH74FU (TE12R)
IC88 (3/3) TC7WH241FU (TE12R)
IC88 (2/3) TC7WH241FU (TE12R)
IC88 (1/3) TC7WH241FU (TE12R)
IC32 TC7SH00FU-TE85R
IC33 TC7SH08FU-TE85R
IC34 TC74VHC163FT (EL)
D1 1SS302-TE85L
CN2 (25/30) DRUM_START
CN1 GND
CN1 +3V
CN1 (6/30) SDA_MY
CN1 (7/30) LD_MY
CN1 (5/30) SCL_MY
CN1 (14/30) NC
CN1 (19/30) NC
CN1 (10/30) CAM_CF
CN1 (8/30) CAM_VD
CN1 (9/30) CAM_HD
CN1 (15/30) TC_LTC
CN1 (11/30) APS_AU1/2
CN1 (13/30) AU64FS
H-RETRO_ON
THRU
842/1
84/21
8/421
PAL/NTSC
LTC-BYPASS
H-MY_DET
4MHZ
MY_SEG2
MY_SEG0
MY_SEG1
MY_START
CN2 (24/30)
CN2 (22/30)
CN2 (21/30)
CN2 (23/30)
RETRO_AU_1/2
CN1 (12/30)
RETRO_LTC
CN1 (16/30)
LTC-BYPASS
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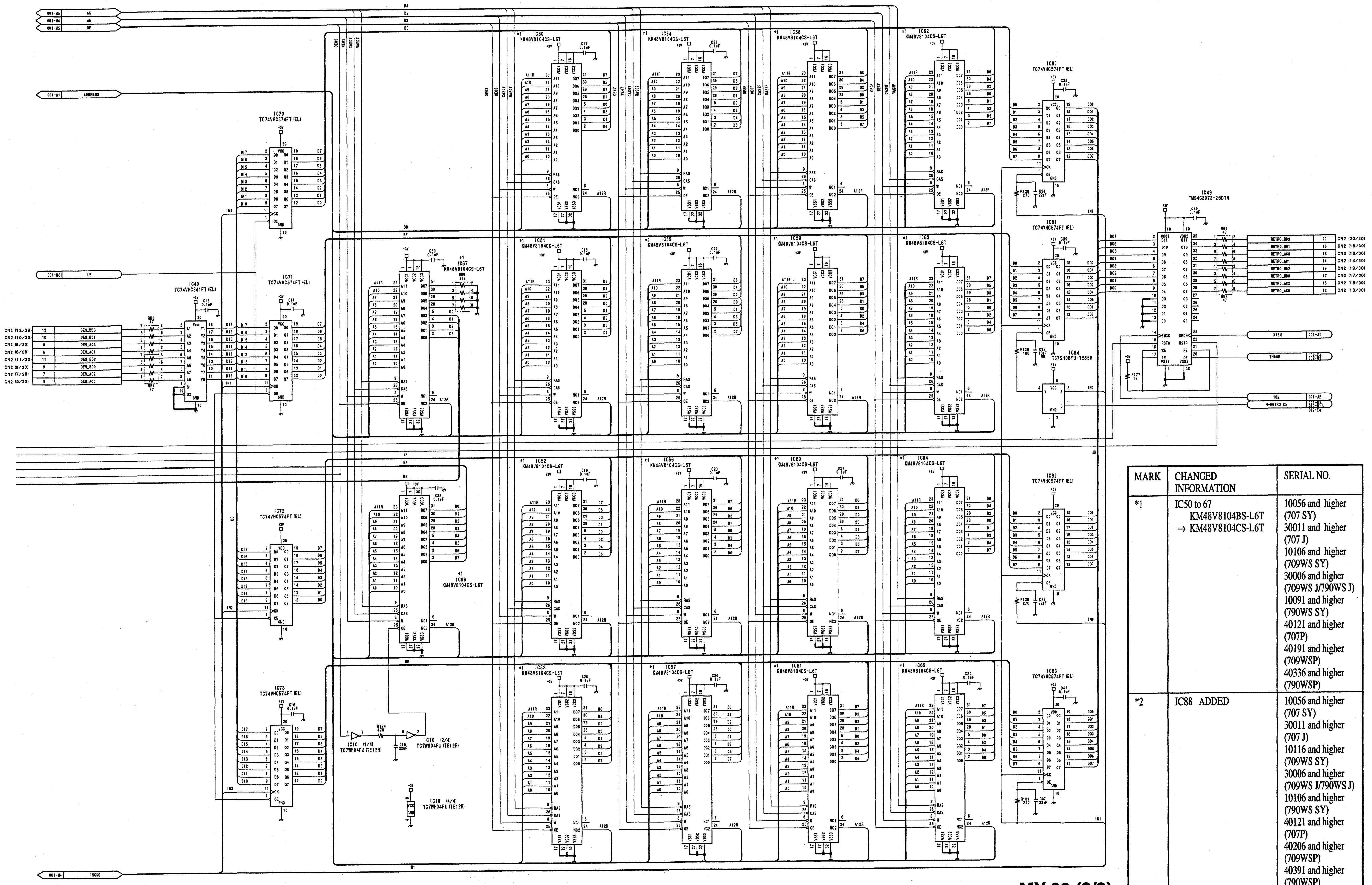
IC50 KM48V8104CS-L6T
IC54 KM48V8104CS-L6T
IC58 KM48V8104CS-L6T
IC62 KM48V8104CS-L6T
IC51 KM48V8104CS-L6T
IC55 KM48V8104CS-L6T
IC59 KM48V8104CS-L6T
IC63 KM48V8104CS-L6T
IC52 KM48V8104CS-L6T
IC56 KM48V8104CS-L6T
IC60 KM48V8104CS-L6T
IC64 KM48V8104CS-L6T
IC53 KM48V8104CS-L6T
IC57 KM48V8104CS-L6T
IC61 KM48V8104CS-L6T
IC65 KM48V8104CS-L6T
IC66 KM48V8104CS-L6T
IC67 KM48V8104CS-L6T
IC70 TC74VHC574FT (EL)
IC71 TC74VHC574FT (EL)
IC72 TC74VHC574FT (EL)
IC73 TC74VHC574FT (EL)
IC40 TC74VHC541FT (EL)
IC80 TC74VHC574FT (EL)
IC81 TC74VHC574FT (EL)
IC82 TC74VHC574FT (EL)
IC83 TC74VHC574FT (EL)
IC49 TMS4C2973-26DTR
IC84 TC7SH08FU-TE85R
IC10 (1/4) TC7WH04FU (TE12R)
IC10 (2/4) TC7WH04FU (TE12R)
IC10 (4/4) TC7WH04FU (TE12R)
001-W6 AS
001-W4 WE
001-W5 OE
001-W1 ADDRESS
001-W8 LE
001-W4 INCKS
CN2 (12/30)
CN2 (10/30)
CN2 (8/30)
CN2 (6/30)
CN2 (11/30)
CN2 (9/30)
CN2 (7/30)
CN2 (5/30)
DEN_BD3
DEN_BD1
DEN_AC3
DEN_AC1
DEN_BD2
DEN_BD0
DEN_AC2
DEN_AC0
RETRO_BD3
RETRO_BD1
RETRO_AC3
RETRO_AC1
RETRO_BD2
RETRO_BD0
RETRO_AC2
RETRO_AC0
CN2 (20/30)
CN2 (18/30)
CN2 (16/30)
CN2 (14/30)
CN2 (19/30)
CN2 (17/30)
CN2 (15/30)
CN2 (13/30)
X18M
THRUB
18M
H-RETRO_ON
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J
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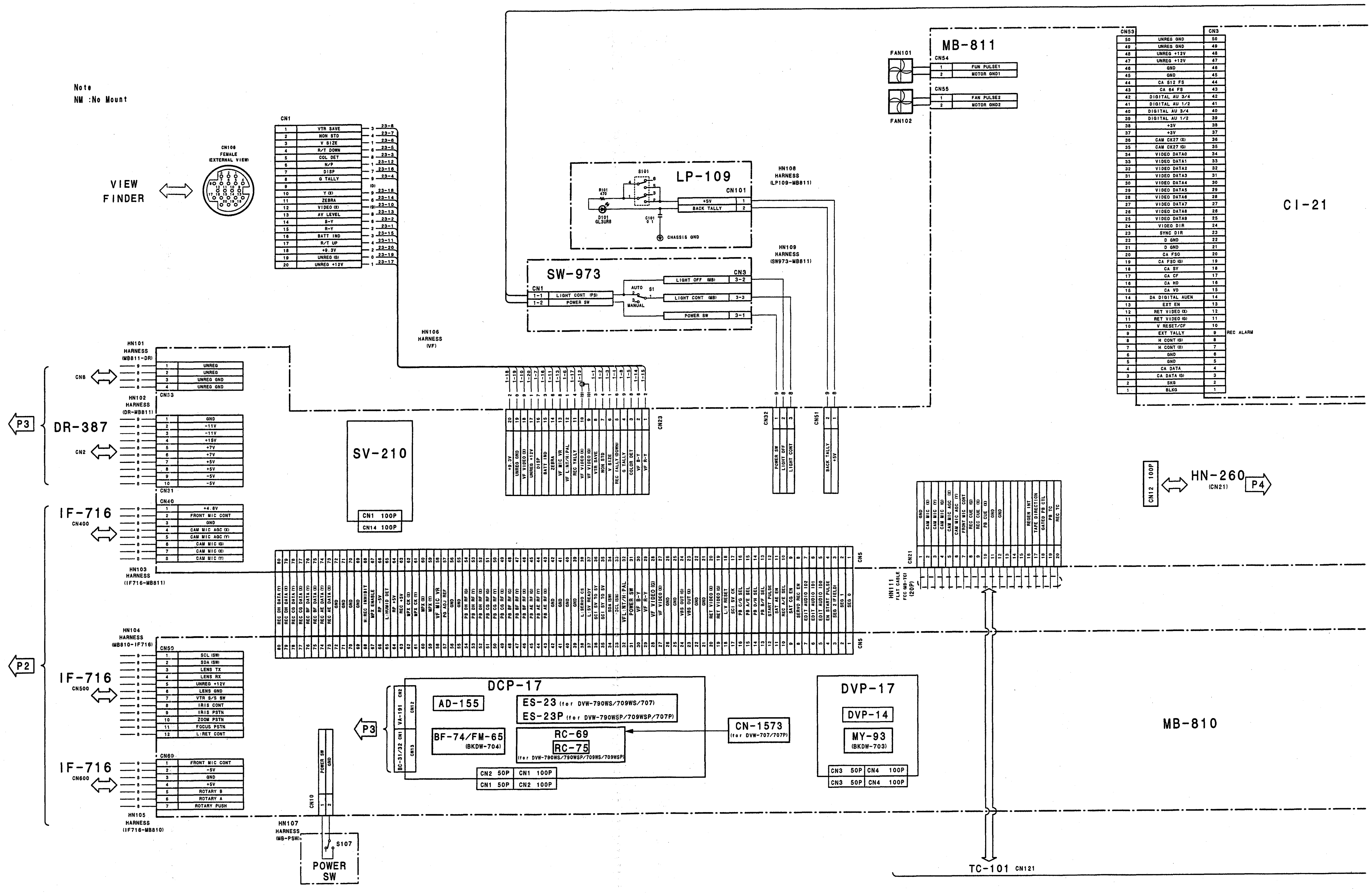
MARK	CHANGED INFORMATION	SERIAL NO.
*1	IC50 to 67 KM48V8104BS-L6T → KM48V8104CS-L6T	10056 and higher (707 SY) 30011 and higher (707 J) 10106 and higher (709WS SY) 30006 and higher (709WS J/790WS J) 10091 and higher (790WS SY) 40121 and higher (707P) 40191 and higher (709WSP) 40336 and higher (790WSP)
*2	IC88 ADDED	10056 and higher (707 SY) 30011 and higher (707 J) 10116 and higher (709WS SY) 30006 and higher (709WS J/790WS J) 10106 and higher (790WS SY) 40121 and higher (707P) 40206 and higher (709WSP) 40391 and higher (790WSP)

MY-93 (2/2)
BKDW-703
LOT NO. 811-

Frame (1/4) CI-20, LP-109, RM-180, SW-973, VSE-32


Note
NM :No Mount
VIEW FINDER
CN106 FEMALE (EXTERNAL VIEW)
CN1
HN106 HARNESS (VF)
LP-109
CN101
HN108 HARNESS (LP109-MB811)
SW-973
CN3
HN109 HARNESS (SW973-MB811)
MB-811
FAN101
FAN102
CN54
CN55
CI-21
CN53
CN3
HN101 HARNESS (MB811-DR)
CN8
HN102 HARNESS (DR-MB811)
P3
DR-387
CN2
SV-210
CN1 100P
CN14 100P
IF-716
CN400
HN103 HARNESS (IF716-MB811)
HN-260 (CN21)
P4
CN12 100P
CN5
HN111 FLAT CABLE
HN104 HARNESS (MB810-IF716)
P2
IF-716
CN500
IF-716
CN600
HN105 HARNESS (IF716-MB810)
DCP-17
AD-155
ES-23 (for DVW-790WS/709WS/707)
ES-23P (for DVW-790WSP/709WSP/707P)
BF-74/FM-65 (BKDW-704)
RC-69
RC-75
(for DVW-790WS/790WSP/709WS/709WSP)
VA-191
BC-31/32
CN2 50P
CN1 100P
CN1 50P
CN2 100P
CN-1573 (for DVW-707/707P)
DVP-17
DVP-14
MY-93 (BKDW-703)
CN3 50P
CN4 100P
MB-810
CN10
HN107 HARNESS (MB-PSW)
S107
POWER SW
TC-101 CN121
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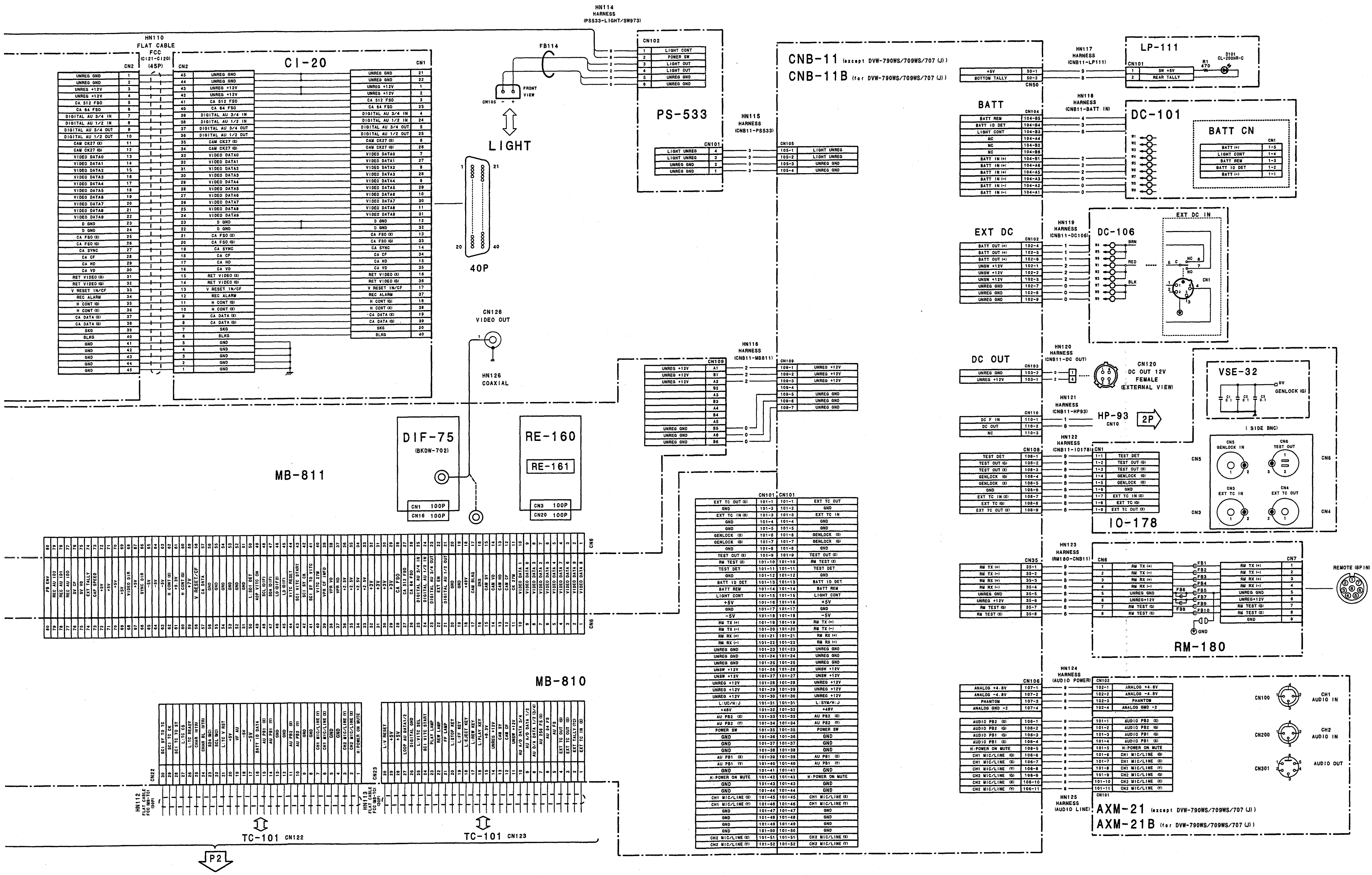
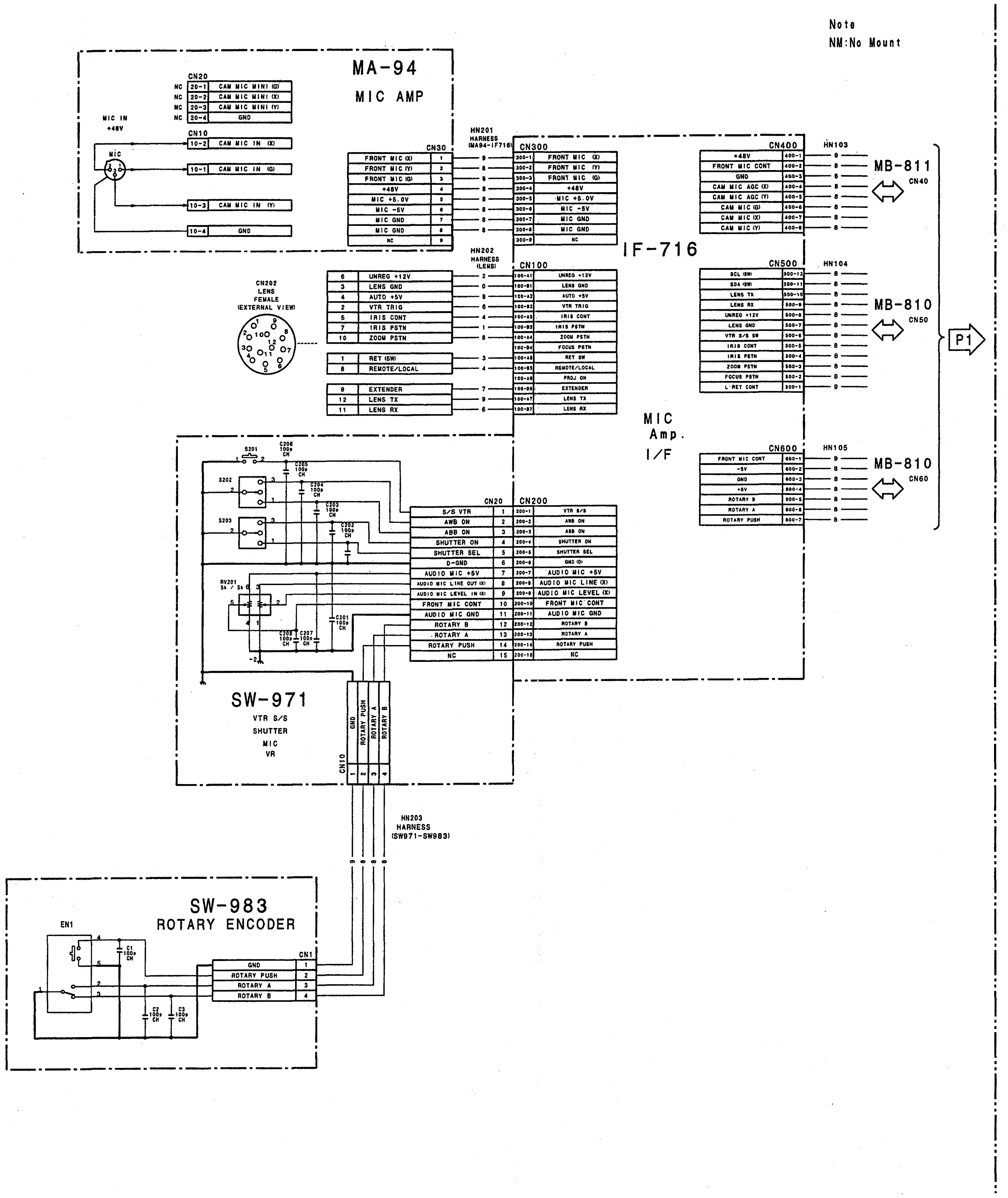
4-126

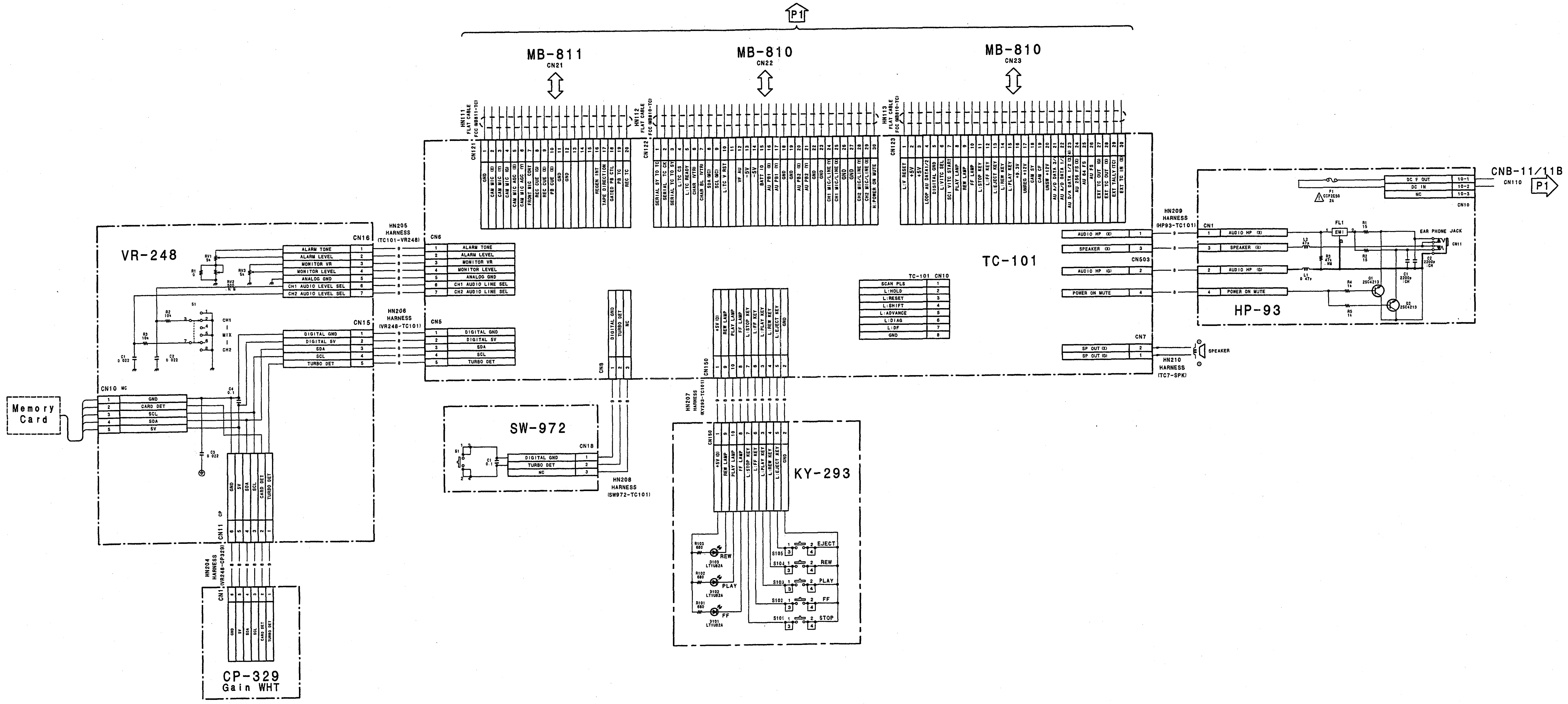
Frame (1/4) CI-20, LP-109, RM-180, SW-973, VSE-32


HN110
FLAT CABLE
FCC
(CI21-CI20)
(45P)
CI-20
HN114
HARNESS
(PS533-LIGHT/SW973)
FB114
CN105
FRONT VIEW
LIGHT
40P
PS-533
HN115
HARNESS
(CNB11-PS533)
CNB-11 (except DVW-790WS/709WS/707 (J))
CNB-11B (for DVW-790WS/709WS/707 (J))
HN117
HARNESS
(CNB11-LP111)
LP-111
BATT
HN118
HARNESS
(CNB11-BATT IN)
DC-101
BATT CN
EXT DC
HN119
HARNESS
(CNB11-DC106)
DC-106
EXT DC IN
CN126
VIDEO OUT
HN126
COAXIAL
HN116
HARNESS
(CNB11-MB811)
DC OUT
HN120
HARNESS
(CNB11-DC OUT)
CN120
DC OUT 12V
FEMALE
(EXTERNAL VIEW)
VSE-32
GENLOCK (G)
(SIDE BNC)
HN121
HARNESS
(CNB11-HP93)
HP-93
2P
HN122
HARNESS
(CNB11-IO178)
IO-178
DIF-75
(BKDW-702)
RE-160
RE-161
MB-811
HN123
HARNESS
(RM180-CNB11)
RM-180
REMOTE (8P IN)
MB-810
HN124
HARNESS
(AUDIO POWER)
CH1 AUDIO IN
CH2 AUDIO IN
AUDIO OUT
HN125
HARNESS
(AUDIO LINE)
AXM-21 (except DVW-790WS/709WS/707 (J))
AXM-21B (for DVW-790WS/709WS/707 (J))
HN112 FLAT CABLE FCC (MB-TC)
HN113 FLAT CABLE FCC (MB-TC)
TC-101 CN122
TC-101 CN123
P2


MA-94
MIC AMP
CN20
NC 20-1 CAM MIC MINI (G)
NC 20-2 CAM MIC MINI (X)
NC 20-3 CAM MIC MINI (Y)
NC 20-4 GND
MIC IN
+48V
MIC
CN10
10-2 CAM MIC IN (X)
10-1 CAM MIC IN (G)
10-3 CAM MIC IN (Y)
10-4 GND
CN30
FRONT MIC (X) 1
FRONT MIC (Y) 2
FRONT MIC (G) 3
+48V 4
MIC +5.0V 5
MIC -5V 6
MIC GND 7
MIC GND 8
NC 9
HN201
HARNESS
(MA94-IF716)
CN300
300-1 FRONT MIC (X)
300-2 FRONT MIC (Y)
300-3 FRONT MIC (G)
300-4 +48V
300-5 MIC +5.0V
300-6 MIC -5V
300-7 MIC GND
300-8 MIC GND
300-9 NC
IF-716
MIC
Amp.
I/F
HN202
HARNESS
(LENS)
CN202
LENS
FEMALE
(EXTERNAL VIEW)
6 UNREG +12V
3 LENS GND
4 AUTO +5V
2 VTR TRIG
5 IRIS CONT
7 IRIS PSTN
10 ZOOM PSTN
1 RET (SW)
8 REMOTE/LOCAL
9 EXTENDER
12 LENS TX
11 LENS RX
CN100
100-A1 UNREG +12V
100-B1 LENS GND
100-A2 AUTO +5V
100-B2 VTR TRIG
100-A3 IRIS CONT
100-B3 IRIS PSTN
100-A4 ZOOM PSTN
100-B4 FOCUS PSTN
100-A5 RET SW
100-B5 REMOTE/LOCAL
100-A6 PROJ ON
100-B6 EXTENDER
100-A7 LENS TX
100-B7 LENS RX
CN400
+48V 400-1
FRONT MIC CONT 400-2
GND 400-3
CAM MIC AGC (X) 400-4
CAM MIC AGC (Y) 400-5
CAM MIC (G) 400-6
CAM MIC (X) 400-7
CAM MIC (Y) 400-8
HN103
MB-811
CN40
CN500
SCL (SW) 500-12
SDA (SW) 500-11
LENS TX 500-10
LENS RX 500-9
UNREG +12V 500-8
LENS GND 500-7
VTR S/S SW 500-6
IRIS CONT 500-5
IRIS PSTN 500-4
ZOOM PSTN 500-3
FOCUS PSTN 500-2
L RET CONT 500-1
HN104
MB-810
CN50
P1
CN600
FRONT MIC CONT 600-1
-5V 600-2
GND 600-3
+5V 600-4
ROTARY B 600-5
ROTARY A 600-6
ROTARY PUSH 600-7
HN105
MB-810
CN60
S201
S202
S203
C206 100p CH
C205 100p CH
C204 100p CH
C203 100p CH
C202 100p CH
C201 100p CH
C207 100p CH
C208 100p CH
RV201 5k / 5k
CN20
S/S VTR 1
AWB ON 2
ABB ON 3
SHUTTER ON 4
SHUTTER SEL 5
D-GND 6
AUDIO MIC +5V 7
AUDIO MIC LINE OUT (X) 8
AUDIO MIC LEVEL IN (X) 9
FRONT MIC CONT 10
AUDIO MIC GND 11
ROTARY B 12
ROTARY A 13
ROTARY PUSH 14
NC 15
CN200
200-1 VTR S/S
200-2 AWB ON
200-3 ABB ON
200-4 SHUTTER ON
200-5 SHUTTER SEL
200-6 GND (D)
200-7 AUDIO MIC +5V
200-8 AUDIO MIC LINE (X)
200-9 AUDIO MIC LEVEL (X)
200-10 FRONT MIC CONT
200-11 AUDIO MIC GND
200-12 ROTARY B
200-13 ROTARY A
200-14 ROTARY PUSH
200-15 NC
SW-971
VTR S/S
SHUTTER
MIC
VR
CN10
GND 1
ROTARY PUSH 2
ROTARY A 3
ROTARY B 4
HN203
HARNESS
(SW971-SW983)
SW-983
ROTARY ENCODER
EN1
C1 100p CH
C2 100p CH
C3 100p CH
CN1
GND 1
ROTARY PUSH 2
ROTARY A 3
ROTARY B 4

Note
NM:No Mount

DVW-790WS/709WS/707
DVW-790WSP/709WSP/707P P2V2

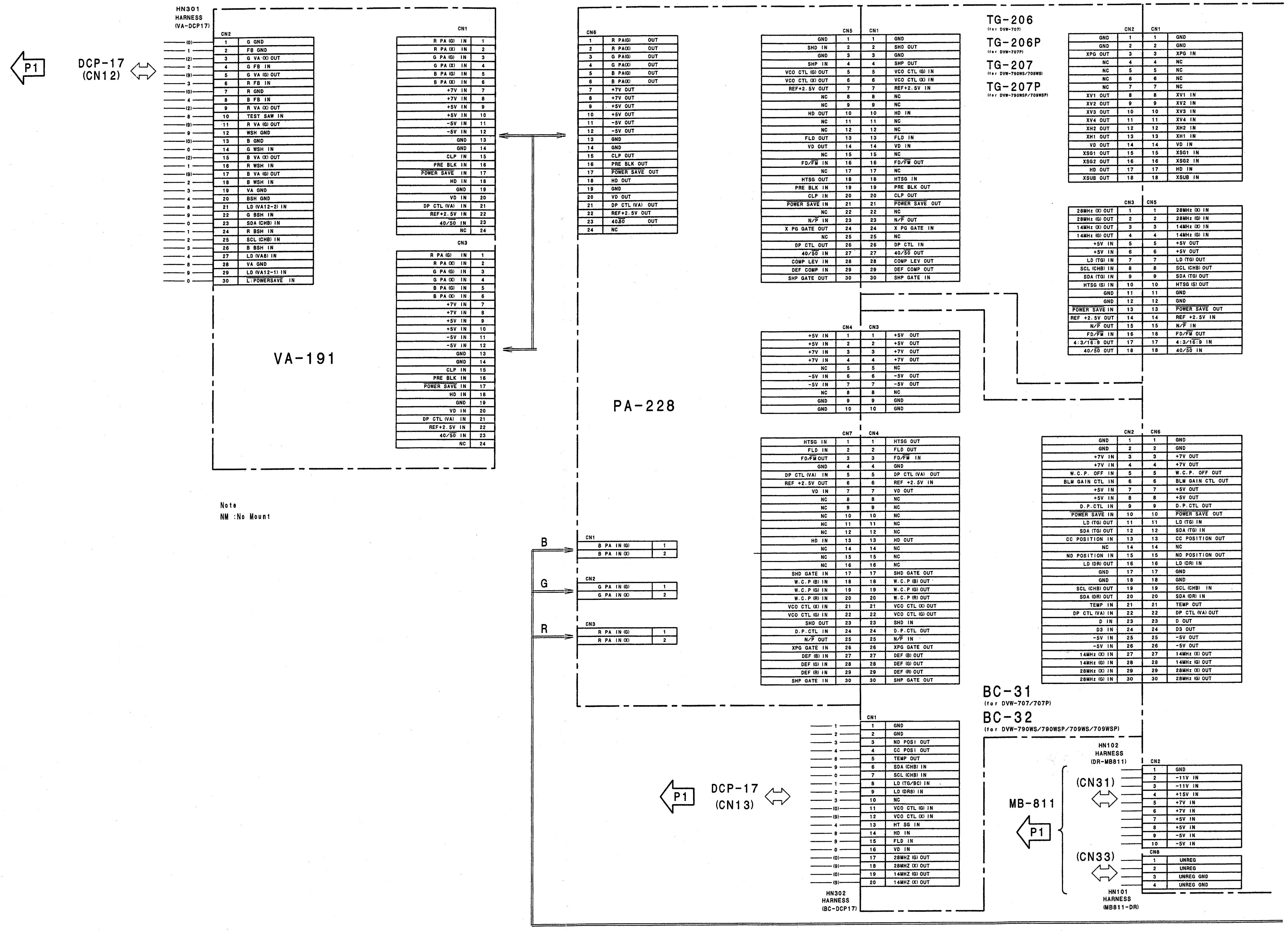

P1
MB-811
CN21
MB-810
CN22
MB-810
CN23
HN111 FLAT CABLE
HN112 FLAT CABLE
HN113 FLAT CABLE
CN121
CN122
CN123
TC-101
VR-248
CN16
HN205 HARNESS (TC101-VR248)
CN6
ALARM TONE
ALARM LEVEL
MONITOR VR
MONITOR LEVEL
ANALOG GND
CH1 AUDIO LEVEL SEL
CH2 AUDIO LEVEL SEL
CN15
HN206 HARNESS (VR248-TC101)
CN5
DIGITAL GND
DIGITAL 5V
SDA
SCL
TURBO DET
CH1 MIX CH2
CN10
Memory Card
GND
CARD DET
SCL
SDA
5V
CN11
HN204 HARNESS
CN1
CP-329
Gain WHT
SW-972
CN18
DIGITAL GND
TURBO DET
NC
CN8
HN208 HARNESS (SW972-TC101)
CN150
HN207 HARNESS
KY-293
TC-101 CN10
SCAN PLS
L:HOLD
L:RESET
L:SHIFT
L:ADVANCE
L:DIAG
L:DF
GND
REW
PLAY
FF
EJECT
STOP
HN209 HARNESS (HP93-TC101)
CN503
AUDIO HP
SPEAKER
POWER ON MUTE
CN7
SP OUT
HN210 HARNESS (TC7-SPK)
SPEAKER
HP-93
CN1
EAR PHONE JACK
CN11
DC V OUT
DC IN
NC
CN10
CNB-11/11B
CN110
P1

1
2
3
4
5

Frame (2/4)

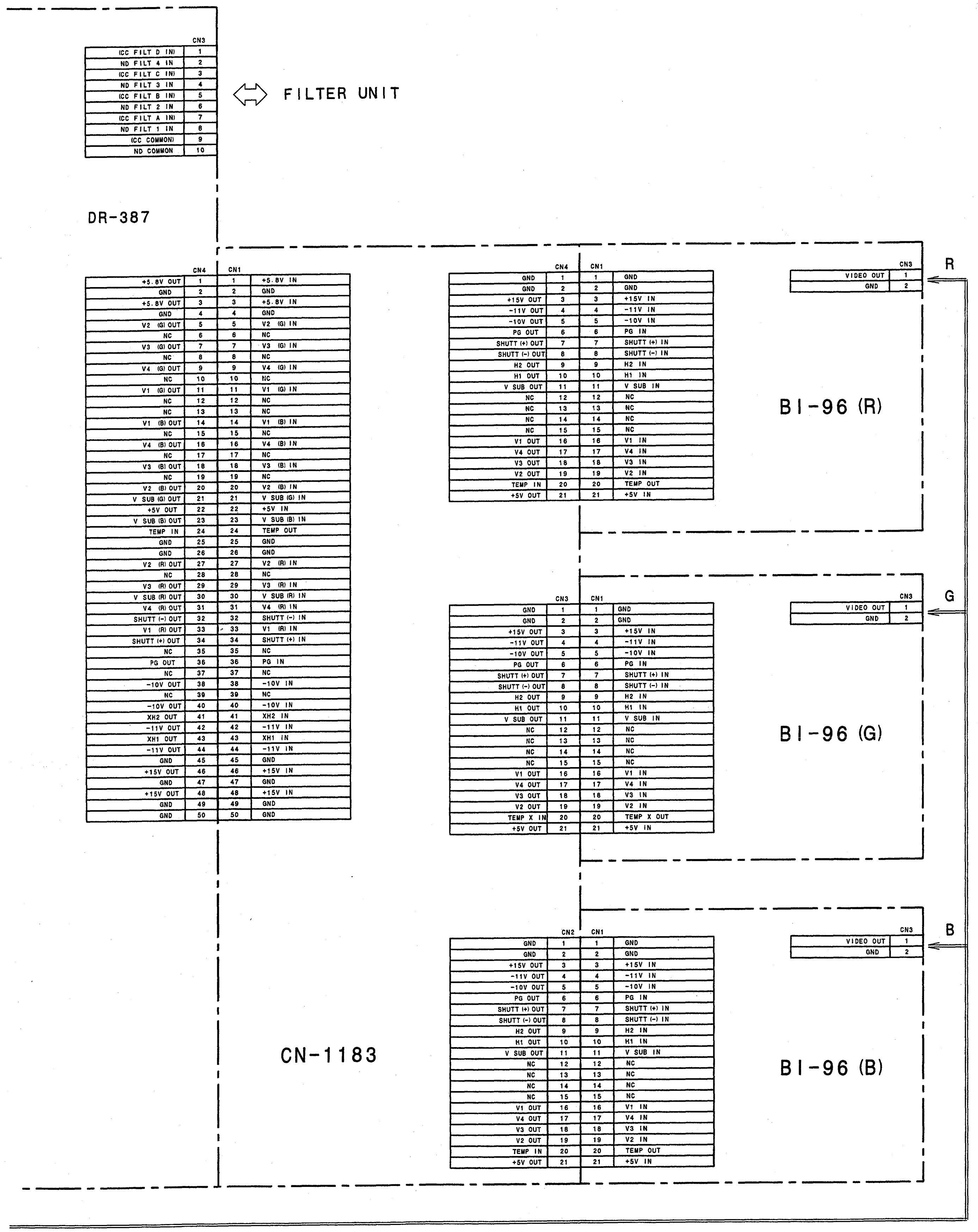
I | J | K | L | M | N | O | P

Frame (3/4)

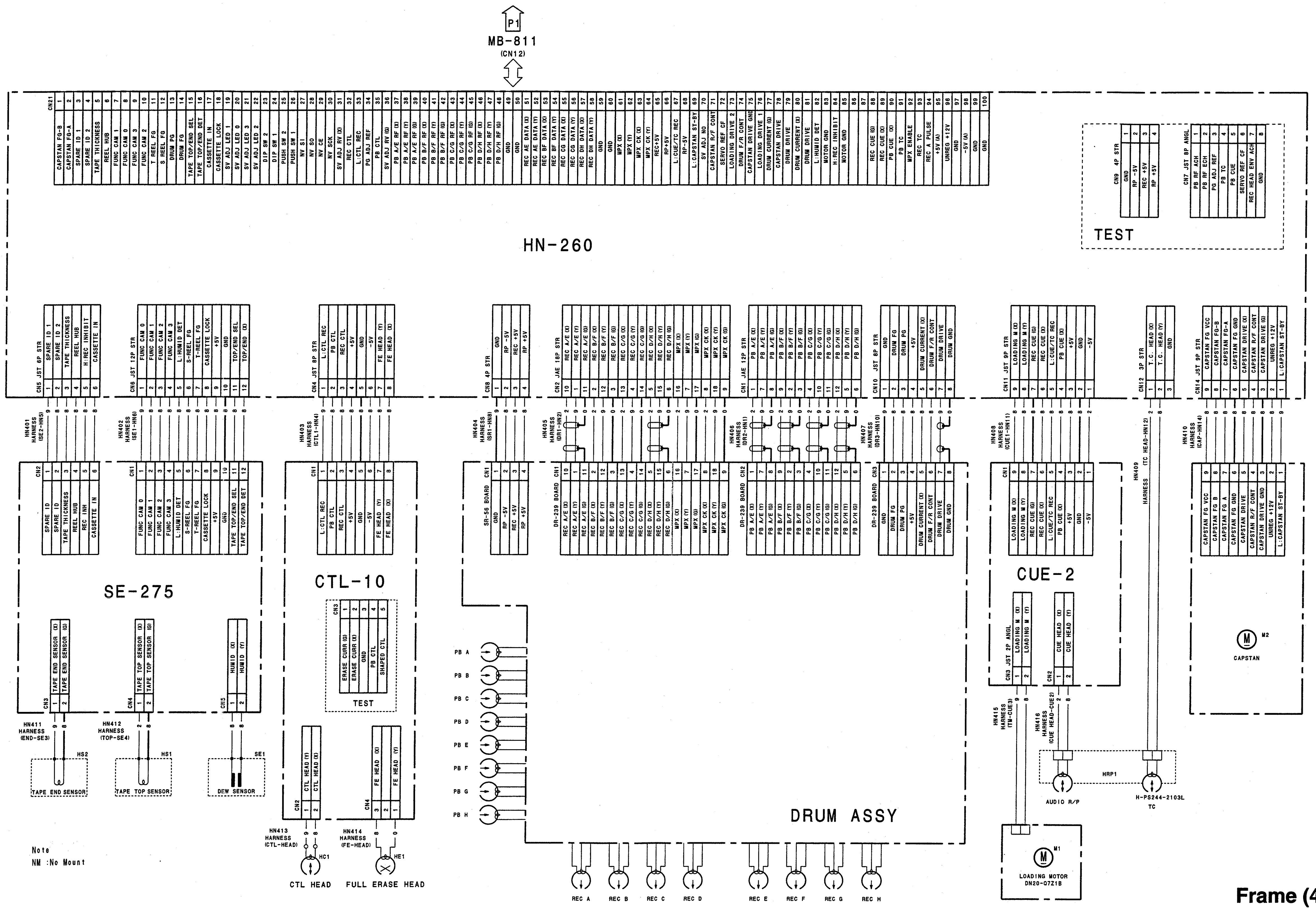

HN301
HARNESS
(VA-DCP17)
P1
DCP-17
(CN12)
VA-191
CN2
CN1
CN3
Note
NM :No Mount
PA-228
CN6
CN5
CN4
CN7
B
G
R
CN1
CN2
CN3
TG-206
(for DVW-707)
TG-206P
(for DVW-707P)
TG-207
(for DVW-790WS/709WS)
TG-207P
(for DVW-790WSP/709WSP)
BC-31
(for DVW-707/707P)
BC-32
(for DVW-790WS/790WSP/709WS/709WSP)
P1
DCP-17
(CN13)
HN302
HARNESS
(BC-DCP17)
HN102
HARNESS
(DR-MB811)
MB-811
(CN31)
(CN33)
HN101
HARNESS
(MB811-DR)
1
2
3
4
5
A
B
C
D
E
F
G
H

4-130

Frame (3/4)


CN3
FILTER UNIT
DR-387
CN4
CN1
CN-1183
BI-96 (R)
BI-96 (G)
BI-96 (B)
CN3
VIDEO OUT
GND
CN2
R
G
B

Frame (3/4)


P1
MB-811
(CN12)
CN21
HN-260
TEST
CN9 4P STR
CN7 JST 8P ANGL
CN5 JST 6P STR
CN6 JST 12P STR
CN4 JST 8P STR
CN8 4P STR
CN2 JAE 18P STR
CN1 JAE 12P STR
CN10 JST 8P STR
CN11 JST 9P STR
CN12 3P STR
CN14 JST 9P STR
HN401 HARNESS (SE2-HN5)
HN402 HARNESS (SE1-HN6)
HN403 HARNESS (CTL1-HN4)
HN404 HARNESS (SR1-HN8)
HN405 HARNESS (DR1-HN2)
HN406 HARNESS (DR2-HN1)
HN407 HARNESS (DR3-HN10)
HN408 HARNESS (CUE1-HN11)
HN409 HARNESS (TC HEAD-HN12)
HN410 HARNESS (CAP-HN14)
SE-275
CTL-10
CUE-2
SR-56 BOARD
DR-239 BOARD
DRUM ASSY
TAPE END SENSOR
TAPE TOP SENSOR
DEW SENSOR
HS2
HS1
SE1
HN411 HARNESS (END-SE3)
HN412 HARNESS (TOP-SE4)
HN413 HARNESS (CTL-HEAD)
HN414 HARNESS (FE-HEAD)
HN415 HARNESS (TM-CUE3)
HN416 HARNESS (CUE HEAD-CUE2)
HC1
HE1
CTL HEAD
FULL ERASE HEAD
PB A
PB B
PB C
PB D
PB E
PB F
PB G
PB H
REC A
REC B
REC C
REC D
REC E
REC F
REC G
REC H
HRP1
AUDIO R/P
H-PS244-2103L
TC
M1
LOADING MOTOR
DN20-07Z1B
M2
CAPSTAN
Note
NM :No Mount
1
2
3
4
5
A
B
C
D
E
F
G
H

Frame (4/4)

Section 5
Board Layouts

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Circuit Functions

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MICROPHONE	IF-716	Lens Control, Mic Amp	5-29
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*1 : For DVW-707/707P only
*2 : For DVW-790WS/790WSP/709WS/709WSP only

System	Name	Function	Page
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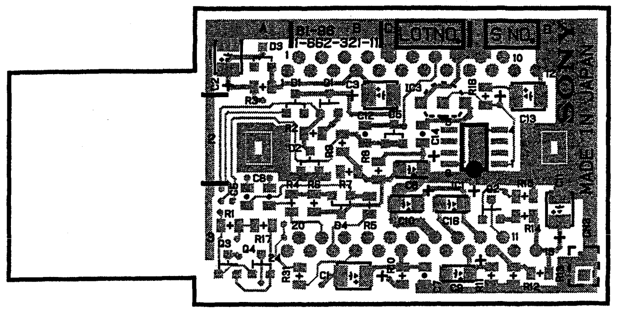
*3 : Dedicated optional board for DVW-790WS/790WSP/709WS/709WSP.

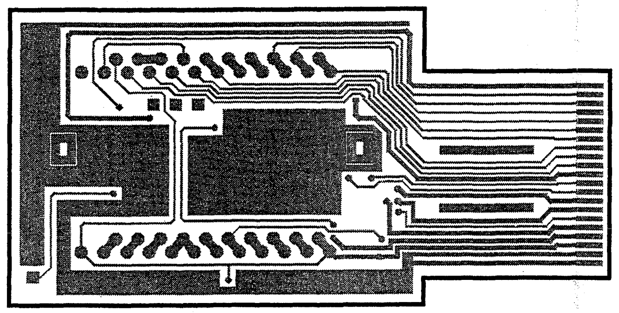
BI-96 (1-662-321-11)

*:B SIDE

C1	B3	Q1	B2
C2	A1	Q2	D3
C3	B2	Q3	A3
C5	A3	Q4	A3
C6	A3		
C7	C3	R1	A3
C8	C2	R2	B2
C9	C3	R3	A1
C10	C3	R4	B3
C11	D3	R5	B3
C12	B2	R6	B3
C13	D2	R7	B2
C14	C2	R8	B2
C16	C3	R9	B2
		R10	C3
CN3	*D3	R11	D3
		R12	D3
D1	B2	R13	D3
D2	B2	R14	D3
D3	A1	R15	D3
D4	B3	R16	D2
D5	C2	R17	A3
		R31	B3
IC1	D2		
IC2	*A1		
IC3	*C2		
IC4	*B1		



BI-96 -A SIDE-
SUFFIX:-11



BI-96 -B SIDE-
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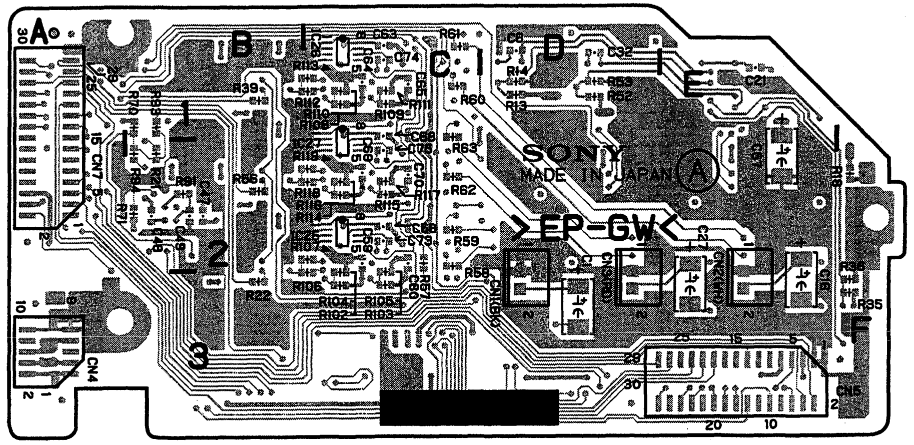
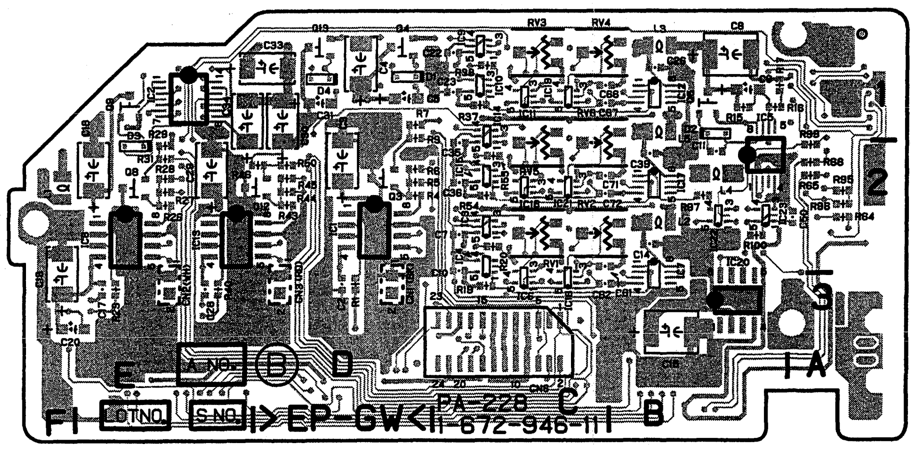


PA-228 -A SIDE-
SUFFIX:-11



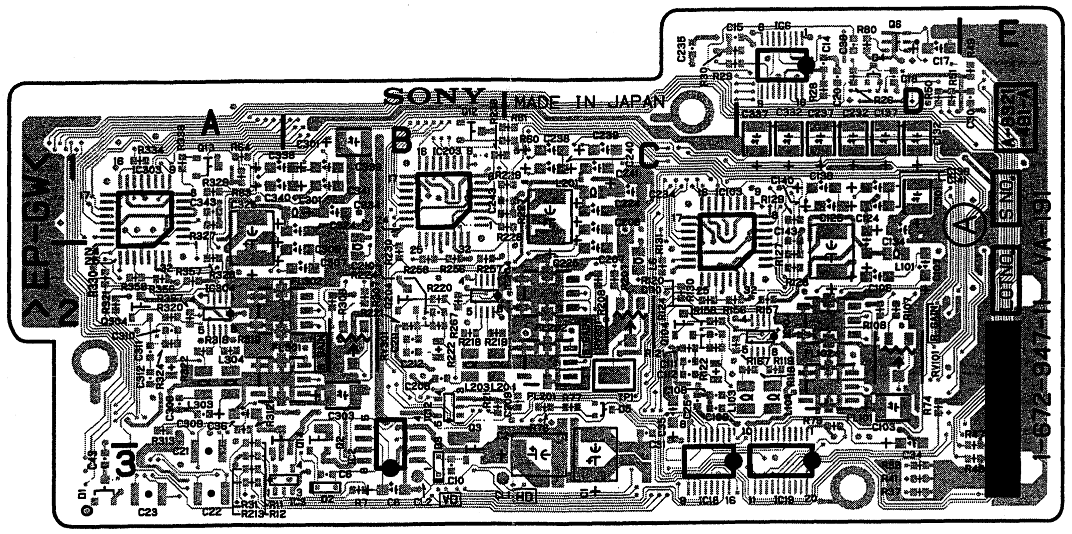
PA-228 -B SIDE-
SUFFIX:-11

PA-228 (1-672-946-11)

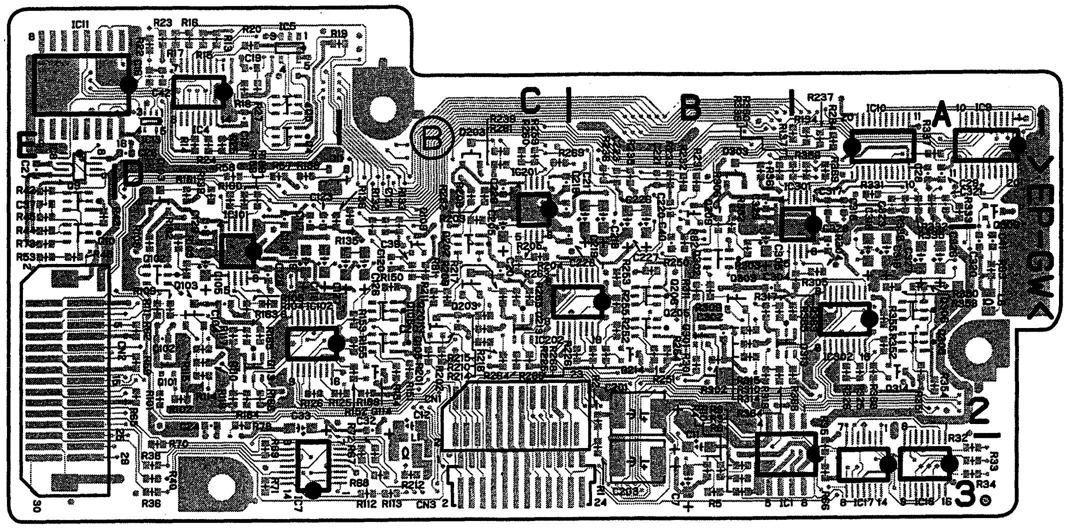
*:B SIDE

C1	D3	C21	E1	C50	*A2	C74	C1	IC3	*C2	IC21	*C2
C2	*D3	C22	*C1	C57	E2	C75	C2	IC4	*C2	IC22	*B2
C3	*D2	C23	*C1	C58	C2			IC5	*B2	IC23	*B2
C4	*D1	C26	*B1	C59	C2	CN1	D3	IC6	*C3	IC25	C2
C5	*D1	C27	E3	C60	C2	CN2	E3	IC7	*B3	IC26	C1
C6	D1	C28	*E3	C61	*C2	CN3	D3	IC8	*E2	IC27	C2
C7	*C2	C29	*E2	C62	*C3	CN4	A3	IC9	*C1		
C8	*B1	C30	*D1	C63	C1	CN5	E3	IC10	*C1	L1	*F2
C9	*B1	C31	*D1	C64	C1	CN6	*C3	IC11	*C1	L2	*B2
C10	*C2	C32	D1	C65	C1	CN7	A1	IC12	*B1	L3	*B1
C11	*B2	C33	*D1	C66	*C1			IC13	*E2	L4	*B2
C14	*B2	C34	*E1	C67	*C1	D1	*D1	IC14	*C1	L5	*B1
C15	*B3	C35	*C2	C68	C1	D2	*B1	IC15	*C2		
C16	E3	C36	*C2	C69	C2	D3	*E2	IC16	*C2	Q3	*D2
C17	*E3	C39	*B2	C70	C2	D4	*D1	IC17	*B2	Q4	*D1
C18	*E2	C47	B2	C71	*C2			IC18	*C3	Q5	*B1
C19	*F2	C48	B2	C72	*C2	IC1	*D2	IC19	*C1	Q8	*E2
C20	*F3	C49	B2	C73	C2	IC2	*E1	IC20	*B3	Q9	*E1

Q12	*D2	R22	B3	R52	D1	R93	B1	R113	C1
Q13	*D1	R23	*E3	R53	D1	R94	B2	R114	C2
		R26	*E2	R54	*C2	R95	*A2	R115	C2
R1	*D3	R27	*E2	R55	*C2	R96	*A2	R116	C2
R4	*D2	R28	*E2	R56	B2	R97	*B2	R117	C2
R5	*D2	R29	*E2	R57	C2	R99	*A2	R118	C2
R6	*D2	R31	*E2	R58	C2	R100	*B2	R119	C2
R7	*D1	R35	F3	R59	C2	R102	C3		
R9	*D1	R36	F3	R60	C1	R103	C3	RV1	*C2
R13	D1	R37	*C1	R61	C1	R104	C3	RV2	*C2
R14	D1	R38	*C1	R62	C2	R105	C3	RV3	*C1
R15	*B1	R39	B1	R63	C1	R106	C3	RV4	*C1
R16	*B1	R40	*E3	R64	*A2	R107	C2	RV5	*C2
R17	*B1	R43	*D2	R65	*A2	R108	C1	RV6	*C2
R18	F2	R44	*D2	R68	*A2	R109	C1		
R19	*C3	R45	*D2	R70	B1	R110	C1		
R20	*C2	R46	*D2	R71	B2	R111	C1		
R21	B2	R50	*D2	R91	B2	R112	C1		



VA-191 -A SIDE-
SUFFIX:-11



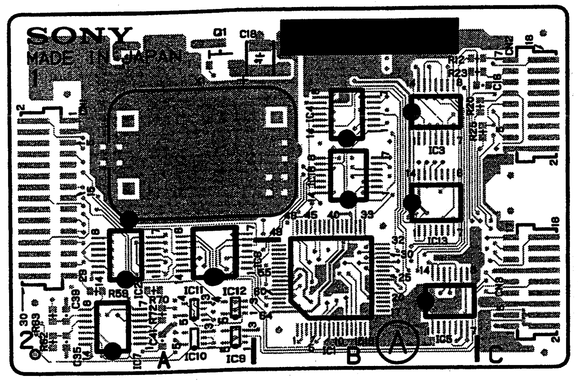
VA-191 -B SIDE-
SUFFIX:-11

VA-191 (1-672-947-11)

---

*:B SIDE

C1	C3
C2	C3
C6	B3
C7	*B3
C8	B3
C10	B3
C11	*B3
C12	*C2
C13	*D1
C14	D1
C15	C1
C16	*D1
C17	D1
C18	D1
C19	*D1
C20	D1
C21	A3
C22	A3
C23	A3
C24	*D2
C25	C2
C26	*D1
C27	*E1
C28	*A1
C29	*A1
C30	E1
C31	C2
C32	*C2
C33	*D2
C34	D3
C35	C2
C36	A2
C37	*E1
C38	D1
C39	*C2
C40	*B2
C41	*A2
C42	*D1
C43	A3
C101	D1
C102	*D2
C103	D2
C104	*D2
C105	*D2
C106	D2
C107	D2
C108	C2
C109	C2
C110	C2
C111	C2
C112	C2
C116	*D1
C117	*D1
C118	*D2
C119	*D2
C120	*C2
C121	*C1
C123	*D1
C124	D2
C125	D2
C126	*C2
C127	*C2
C128	*D2
C129	*D1
C132	D1
C134	D1
C137	D1
C138	D1
C139	D1
C140	D1
C141	D1
C143	D2
C201	*B2
C202	*C2
C203	*B3
C204	*C2
C205	*C1
C206	C1
C207	C2
C208	B2
C209	C2
C210	B2
C211	B2
C212	B2
C216	*C1
C217	*C1
C218	*B1
C219	*B1
C220	*B1
C221	*B1
C223	*B1
C224	C1
C225	C1
C226	*B1
C227	*B1
C228	*B2
C229	*C1
C232	D1
C234	C1
C235	C1
C237	D1
C238	C1
C239	C1
C240	C1
C241	C1
C243	C1
C301	B1
C302	*B2
C303	B2
C304	*B2
C305	*B2
C306	B2
C307	B2
C308	A2
C309	A2
C310	A2
C311	A2
C312	A2
C316	*A1
C317	*A1
C318	*A2
C319	*A2
C320	*A2
C321	*A1
C323	*A1
C324	B1
C325	A1
C326	*A2
C327	*A2
C328	*A2
C329	*B1
C332	D1
C334	B1
C337	D1
C338	A1
C339	B1
C340	A1
C341	B1
C343	A1
CL1	B3
CL2	B3
CN1	*C2
CN2	*E2
CN3	*C3
D1	A3
D2	B3
D3	B3
D4	D1
D5	C2
D103	*D1
D203	*C1
D303	*B1
FL101	D2
FL102	D2
FL201	C2
FL202	C2
FL301	A2
FL302	A2
IC1	*A2
IC2	B3
IC3	B3
IC4	*D1
IC5	*D1
IC6	D1
IC7	*C3
IC8	*E1
IC9	*A1
IC10	*A1
IC11	*D1
IC12	B2
IC13	*D1
IC16	*A3
IC17	*A3
IC18	C2
IC19	D2
IC101	*D1
IC102	*D2
IC103	C2
IC104	D2
IC201	*C1
IC202	*B2
IC203	B1
IC204	B2
IC301	*A1
IC302	*A2
IC303	A1
IC304	A2
L1	*C3
L6	C2
L7	B2
L8	*A2
L101	D2
L103	D2
L104	D2
L201	C1
L203	B2
L204	B2
L301	B1
L303	A2
L304	A2
Q2	B2
Q3	B3
Q4	*D1
Q5	*D1
Q6	D1
Q9	*E1
Q10	*E2
Q11	*D1
Q12	B1
Q13	A1
Q14	A2
Q101	*D2
Q102	*D2
Q103	*D2
Q104	C2
Q105	*C2
Q106	*C2
Q109	*C2
Q113	*D2
Q114	*C2
Q201	*C2
Q202	*C2
Q203	*C2
Q204	B2
Q205	*B2
Q206	*B2
Q209	*B1
Q213	*C2
Q214	*B2
Q301	*B2
Q302	*B2
Q303	*B2
Q304	A2
Q305	*A2
Q306	*A2
Q309	*A1
Q313	*B2
Q314	*A2
R1	*B3
R2	*B2
R3	*B3
R4	*B3
R5	*B3
R6	*B3
R7	B3
R9	*B3
R10	*B3
R11	A2
R12	A3
R13	*D1
R14	*D1
R15	*D1
R16	*D1
R17	*D1
R18	*D1
R19	*C1
R20	*D1
R21	B2
R22	*D1
R23	*D1
R24	*D1
R25	*D1
R26	D1
R27	*D1
R28	D1
R29	C1
R30	C1
R31	A3
R32	*A3
R33	*A3
R34	*A3
R35	*A3
R36	*D3
R37	D3
R38	*D3
R39	D3
R40	*D3
R41	D3
R42	*E1
R43	*E1
R44	*E1
R45	*E1
R46	*E2
R47	E3
R48	E3
R49	E1
R50	D1
R51	D1
R53	*E2
R57	*D1
R58	*D1
R59	*D2
R60	C1
R61	C1
R62	*D2
R63	A1
R64	A1
R65	*D2
R66	*A3
R67	*C3
R68	*C3
R69	*D3
R70	*D3
R71	*D3
R72	*C3
R73	*E2
R74	D2
R76	C2
R77	C2
R78	*D2
R79	D2
R80	D1
R81	*C2
R82	*B2
R83	*A2
R101	*D2
R102	*D2
R103	*D2
R104	*D2
R105	*D2
R106	*D2
R107	D2
R108	D2
R109	*D2
R110	*D2
R111	*D2
R112	*C3
R113	*C3
R114	*D2
R115	*D2
R116	*D2
R117	*D2
R118	D2
R119	D2
R120	C2
R121	C2
R122	C2
R124	C2
R125	*C2
R126	*D2
R127	D2
R128	D2
R129	D1
R130	C2
R131	C2
R132	*C1
R133	*C1
R134	*A1
R135	*C1
R136	*D1
R137	*A1
R138	*D1
R139	*D1
R150	*C2
R151	*C2
R152	*C2
R153	*C2
R154	*C2
R155	*C2
R156	C2
R157	D2
R158	C2
R159	*D1
R160	*D1
R161	*D1
R162	*D2
R163	*D2
R164	*D2
R165	*D2
R166	*D2
R167	C2
R168	*C2
R169	*D1
R201	*C2
R202	*C2
R203	*C1
R204	*C2
R205	*C2
R206	*C1
R207	C2
R208	C2
R209	*C2
R210	*C2
R211	*C2
R212	*C3
R213	A3
R214	*C2
R215	*C2
R216	*C2
R217	*C2
R218	B2
R219	B2
R220	B2
R221	B2
R222	B2
R224	B2
R225	*B2
R226	*B2
R227	C1
R228	C1
R229	C1
R230	B2
R231	*B1
R232	*B1
R233	*B1
R234	*A1
R235	*B1
R236	*B1
R237	*A1
R238	B1
R239	*C1
R250	*B2
R251	*B2
R252	*B2
R253	*B2
R254	*B2
R255	*B2
R256	B2
R257	B2
R258	B2
R259	*C1
R260	*C1
R261	*C1
R262	*C1
R263	*C2
R264	*C2
R265	*C2
R266	*C2
R267	B2
R268	*B2
R269	*C1
R301	*B2
R302	*B2
R303	*B2
R304	*A2
R305	*A2
R306	*B1
R307	B2
R308	B2
R309	*B2
R310	*B2
R311	*B2
R312	A2
R313	A2
R314	*B2
R315	*B2
R316	*B2
R317	*B2
R318	A2
R319	A2
R320	A2
R321	A2
R322	A2
R324	A2
R325	*A2
R326	*A2
R327	A1
R328	A2
R329	A1
R330	A2
R331	*A1
R332	*A1
R333	*A1
R334	A1
R335	*A1
R336	*A1
R337	*A1
R338	A1
R339	*B1
R350	*A2
R351	*A2
R352	*A2
R353	*A2
R354	*A2
R355	*A2
R356	A2
R357	A2
R358	A2
R359	*A1
R360	*A1
R361	*B1
R362	*B1
R363	*B2
R364	*B2
R365	*A2
R366	*A2
R367	A2
R368	*A2
R369	*A1
RV101	D2
RV201	C2
RV301	B2
TP1	C2



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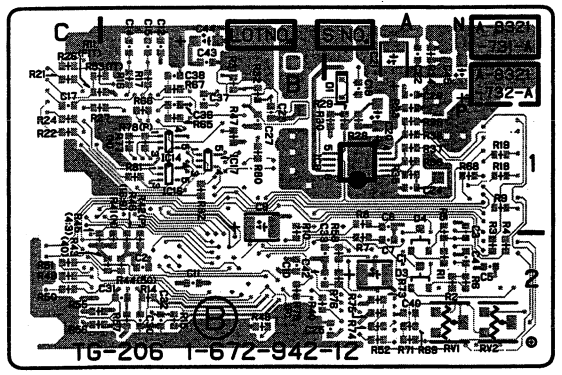
TG-206/206P -A SIDE-
SUFFIX:-12



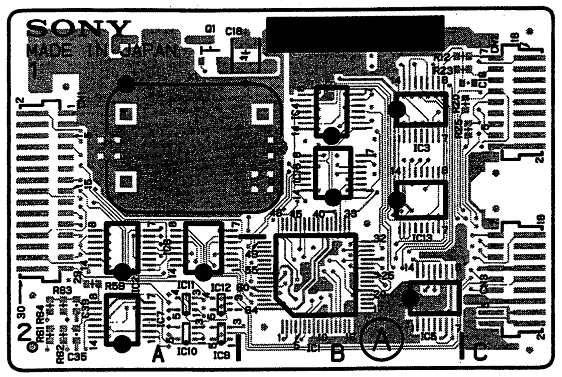
TG-206/206P -B SIDE-
SUFFIX:-12

DVW-707 (J) : S/N 30006 ahd Higher
DVW-707 (SY) : S/N 10021 and Higher
DVW-707P : S/N 40036 and Higher

TG-206/206P (1-672-942-12)

*:B SIDE

C1	*A2
C2	*B2
C3	*A1
C4	*A2
C5	*A2
C7	*A2
C8	*A1
C9	*B1
C10	*B2
C11	*B2
C12	*B1
C14	*B1
C15	*B1
C16	C1
C17	*C1
C18	B1
C19	*A1
C20	*A1
C21	*A1
C22	*A1
C23	*B1
C24	*A1
C25	*A2
C27	*B1
C28	*A1
C30	*B2
C31	*B2
C32	*B2
C33	*A2
C35	A2
C36	*B1
C37	*B1
C38	*B1
C39	A2
C40	*A2
C41	A2
C42	*A2
C43	*B1
C44	*B1
C45	*A1
CN1	A1
CN2	C1
CN3	C2
D1	*A1
D3	*A2
D4	*A2
IC1	B2
IC2	A2
IC3	B1
IC4	B1
IC5	B2
IC6	A2
IC7	A2
IC8	*A1
IC9	A2
IC10	A2
IC11	A2
IC12	A2
IC13	B1
IC14	*B1
IC16	*B1
IC17	*B1
IC18	B1
Q1	A1
R1	*A2
R2	*A2
R3	*A2
R4	*A2
R5	*A1
R6	*A2
R7	*A2
R8	*A1
R9	*A1
R10	*B1
R11	*C1
R12	C1
R14	*B2
R15	*B2
R16	*B1
R17	*B1
R18	*A1
R19	*A1
R20	C1
R21	*C1
R22	*C1
R23	C1
R24	*C1
R25	C1
R26	*C1
R27	*C1
R28	*A1
R29	*A1
R30	*A1
R31	*B1
R32	*B1
R33	*A1
R34	*A1
R35	*A1
R36	*A1
R37	*A1
R38	*A1
R39	*A1
R40	*B2
R41	*B2
R42	*B2
R43	*B2
R44	*B2
R45	*C2
R46	*B2
R47	*B1
R48	*B2
R49	*C2
R50	*C2
R51	*C2
R52	*A2
R53	*C1
R55	*C2
R56	*C2
R57	*B2
R58	*A2
R59	A2
R62	A2
R63	A2
R65	*B1
R66	*B1
R67	*B1
R68	*A1
R69	*A2
R70	A2
R71	*A2
R72	A2
R73	*A2
R74	*A2
R75	*A2
R76	*A2
R77	*B1
R78	*B1
R79	*B2
R80	*B1
R81	*B1
R82	*B1
RV1	*A2
RV2	*A2
X1	A1



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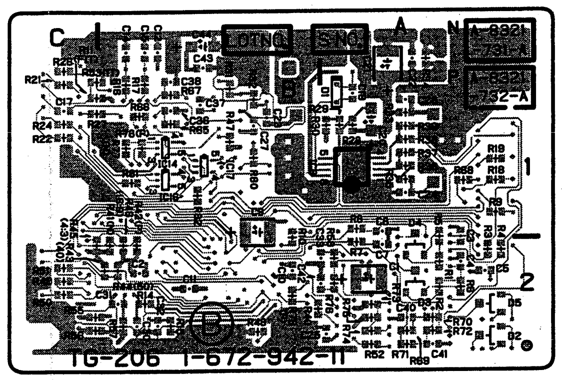
TG-206/206P -A SIDE-
SUFFIX:-11



TG-206/206P -B SIDE-
SUFFIX:-11

DVW-707 (J) : S/N 30001 through 30005
DVW-707 (SY) : S/N 10001 through 10020
DVW-707P : S/N 40001 through 40035

TG-206/206P (1-672-942-11)

*:B SIDE

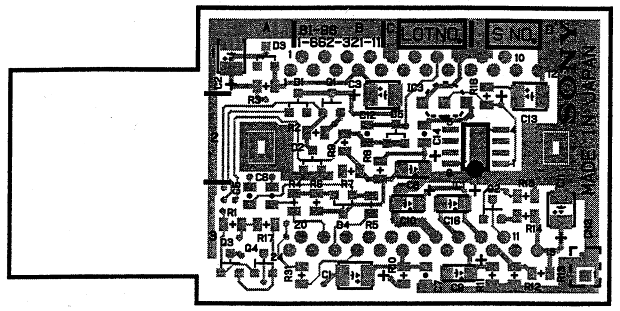
C1	*A2
C2	*B2
C3	*A1
C4	*A2
C5	*A2
C7	*A2
C8	*A1
C9	*B1
C10	*B2
C11	*B2
C12	*B1
C14	*B1
C15	*B1
C16	C1
C17	*C1
C18	B1
C19	*A1
C20	*A1
C21	*A1
C22	*A1
C23	*B1
C24	*A1
C25	*A2
C27	*B1
C28	*A1
C30	*B2
C31	*B2
C32	*B2
C33	*A2
C35	A2
C36	*B1
C37	*B1
C38	*B1
C39	A2
C40	*A2
C41	*A2
C42	*A2
C43	*B1
C44	*B1
CN1	A1
CN2	C1
CN3	C2
D1	*A1
D2	*A2
D3	*A2
D4	*A2
D5	*A2
IC1	B2
IC2	A2
IC3	B1
IC4	B1
IC5	B2
IC6	A2
IC7	A2
IC8	*A1
IC9	A2
IC10	A2
IC11	A2
IC12	A2
IC13	B1
IC14	*B1
IC16	*B1
IC17	*B1
IC18	B1
Q1	A1
R1	*A2
R2	*A2
R3	*A2
R4	*A2
R5	*A1
R6	*A2
R7	*A2
R8	*A1
R9	*A1
R10	*B1
R11	*C1
R12	C1
R14	*B2
R15	*B2
R16	*B1
R17	*B1
R18	*A1
R19	*A1
R20	C1
R21	*C1
R22	*C1
R23	C1
R24	*C1
R25	C1
R26	*C1
R27	*C1
R28	*A1
R29	*A1
R30	*A1
R31	*B1
R32	*B1
R33	*A1
R34	*A1
R35	*A1
R36	*A1
R37	*A1
R38	*A1
R39	*A1
R40	*B2
R41	*B2
R42	*B2
R43	*B2
R44	*B2
R45	*C2
R46	*B2
R47	*B1
R48	*B2
R49	*C2
R50	*C2
R51	*C2
R52	*A2
R53	*C1
R55	*C2
R56	*C2
R57	*B2
R58	*A2
R59	A2
R61	A2
R62	A2
R63	A2
R64	A2
R65	*B1
R66	*B1
R67	*B1
R68	*A1
R69	*A2
R70	*A2
R71	*A2
R72	*A2
R73	*A2
R74	*A2
R75	*A2
R76	*A2
R77	*B1
R78	*B1
R79	*B2
R80	*B1
R81	*B1
R82	*B1
X1	A1

BI-96, PA-228

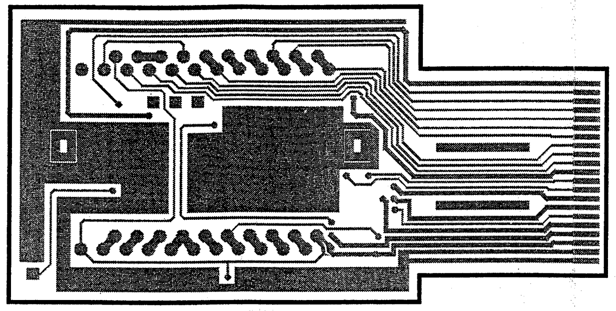
BI-96 (1-662-321-11)

*:B SIDE

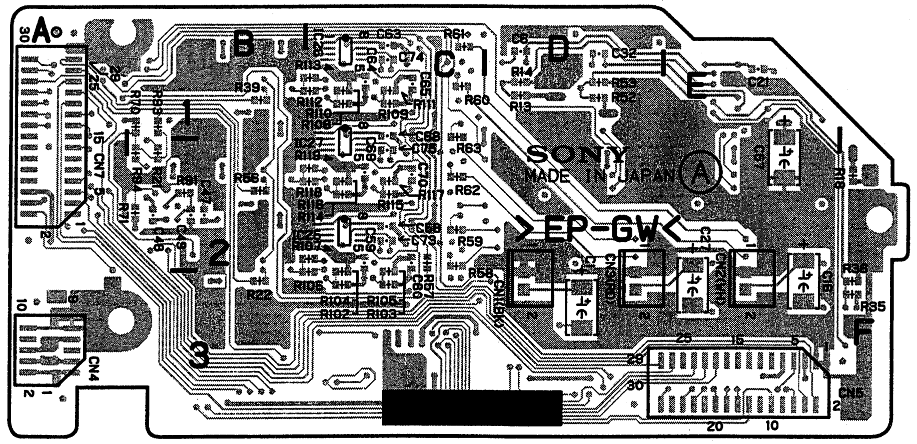
C1	B3
C2	A1
C3	B2
C5	A3
C6	A3
C7	C3
C8	C2
C9	C3
C10	C3
C11	D3
C12	B2
C13	D2
C14	C2
C16	C3
CN3	*D3
D1	B2
D2	B2
D3	A1
D4	B3
D5	C2
IC1	D2
IC2	*A1
IC3	*C2
IC4	*B1
Q1	B2
Q2	D3
Q3	A3
Q4	A3
R1	A3
R2	B2
R3	A1
R4	B3
R5	B3
R6	B3
R7	B2
R8	B2
R9	B2
R10	C3
R11	D3
R12	D3
R13	D3
R14	D3
R15	D3
R16	D2
R17	A3
R31	B3



BI-96 -A SIDE-
SUFFIX:-11



BI-96 -B SIDE-
SUFFIX:-11



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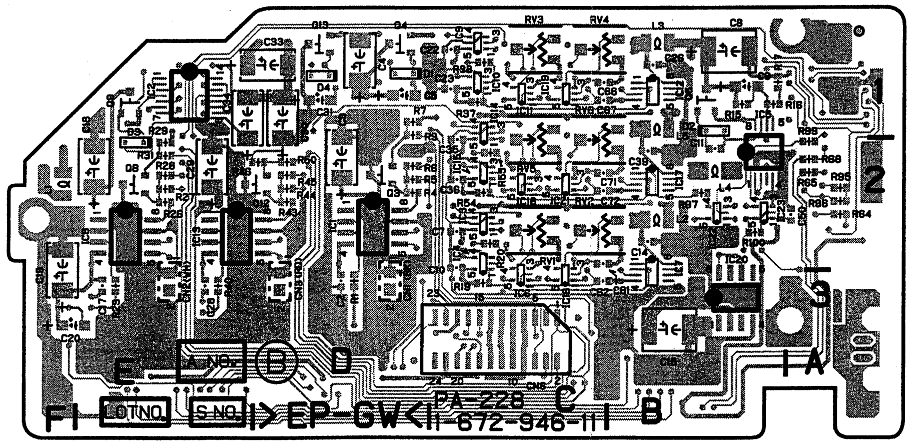
PA-228 -A SIDE-
SUFFIX:-11

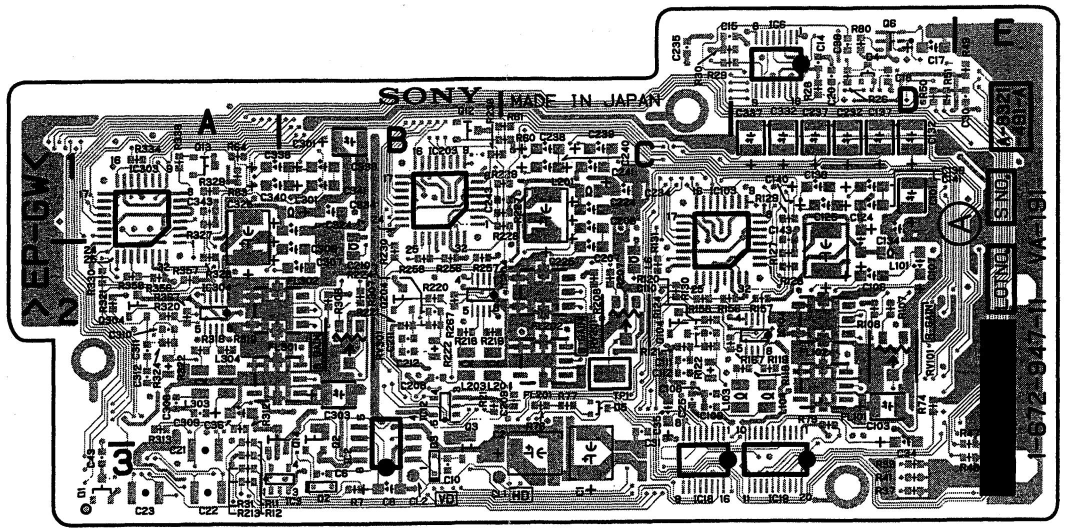


PA-228 -B SIDE-
SUFFIX:-11

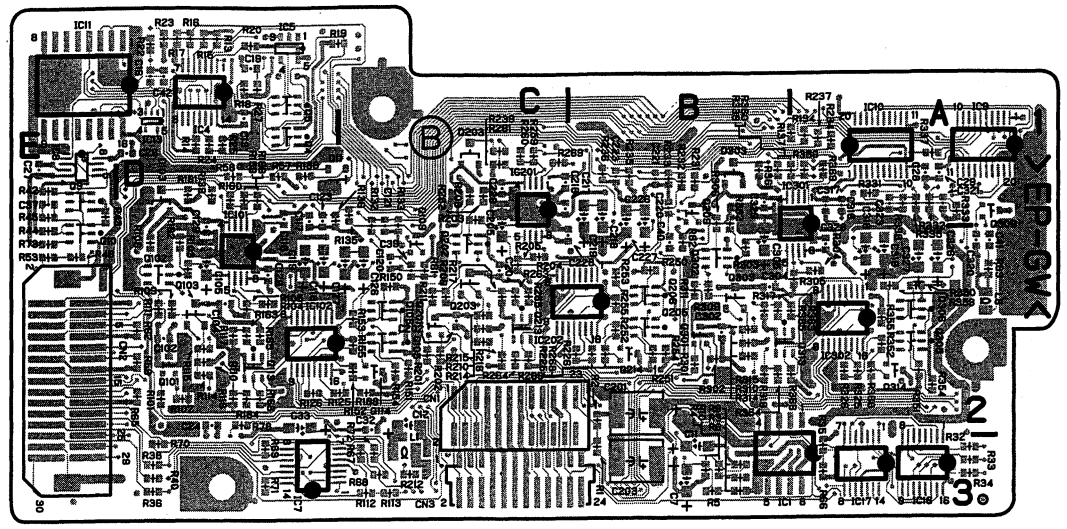
PA-228 (1-672-946-11)

*:B SIDE

C1	D3
C2	*D3
C3	*D2
C4	*D1
C5	*D1
C6	D1
C7	*C2
C8	*B1
C9	*B1
C10	*C2
C11	*B2
C14	*B2
C15	*B3
C16	E3
C17	*E3
C18	*E2
C19	*F2
C20	*F3
C21	E1
C22	*C1
C23	*C1
C26	*B1
C27	E3
C28	*E3
C29	*E2
C30	*D1
C31	*D1
C32	D1
C33	*D1
C34	*E1
C35	*C2
C36	*C2
C39	*B2
C47	B2
C48	B2
C49	B2
C50	*A2
C57	E2
C58	C2
C59	C2
C60	C2
C61	*C2
C62	*C3
C63	C1
C64	C1
C65	C1
C66	*C1
C67	*C1
C68	C1
C69	C2
C70	C2
C71	*C2
C72	*C2
C73	C2
C74	C1
C75	C2
CN1	D3
CN2	E3
CN3	D3
CN4	A3
CN5	E3
CN6	*C3
CN7	A1
D1	*D1
D2	*B1
D3	*E2
D4	*D1
IC1	*D2
IC2	*E1
IC3	*C2
IC4	*C2
IC5	*B2
IC6	*C3
IC7	*B3
IC8	*E2
IC9	*C1
IC10	*C1
IC11	*C1
IC12	*B1
IC13	*E2
IC14	*C1
IC15	*C2
IC16	*C2
IC17	*B2
IC18	*C3
IC19	*C1
IC20	*B3
IC21	*C2
IC22	*B2
IC23	*B2
IC25	C2
IC26	C1
IC27	C2
L1	*F2
L2	*B2
L3	*B1
L4	*B2
L5	*B1
Q3	*D2
Q4	*D1
Q5	*B1
Q8	*E2
Q9	*E1
Q12	*D2
Q13	*D1
R1	*D3
R4	*D2
R5	*D2
R6	*D2
R7	*D1
R9	*D1
R13	D1
R14	D1
R15	*B1
R16	*B1
R17	*B1
R18	F2
R19	*C3
R20	*C2
R21	B2
R22	B3
R23	*E3
R26	*E2
R27	*E2
R28	*E2
R29	*E2
R31	*E2
R35	F3
R36	F3
R37	*C1
R38	*C1
R39	B1
R40	*E3
R43	*D2
R44	*D2
R45	*D2
R46	*D2
R50	*D2
R52	D1
R53	D1
R54	*C2
R55	*C2
R56	B2
R57	C2
R58	C2
R59	C2
R60	C1
R61	C1
R62	C2
R63	C1
R64	*A2
R65	*A2
R68	*A2
R70	B1
R71	B2
R91	B2
R93	B1
R94	B2
R95	*A2
R96	*A2
R97	*B2
R99	*A2
R100	*B2
R102	C3
R103	C3
R104	C3
R105	C3
R106	C3
R107	C2
R108	C1
R109	C1
R110	C1
R111	C1
R112	C1
R113	C1
R114	C2
R115	C2
R116	C2
R117	C2
R118	C2
R119	C2
RV1	*C2
RV2	*C2
RV3	*C1
RV4	*C1
RV5	*C2
RV6	*C2



VA-191 -A SIDE-
SUFFIX:-11

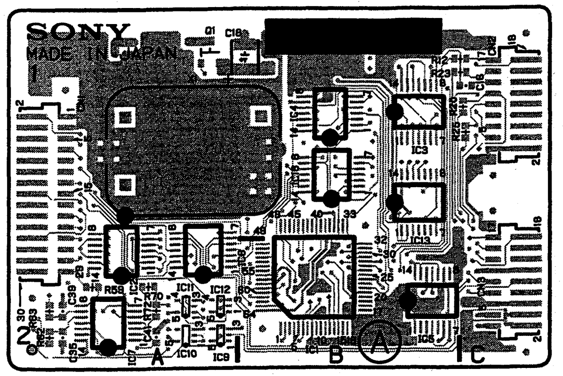


VA-191 -B SIDE-
SUFFIX:-11

VA-191 (1-672-947-11)

*:B SIDE

C1	C3
C2	C3
C6	B3
C7	*B3
C8	B3
C10	B3
C11	*B3
C12	*C2
C13	*D1
C14	D1
C15	C1
C16	*D1
C17	D1
C18	D1
C19	*D1
C20	D1
C21	A3
C22	A3
C23	A3
C24	*D2
C25	C2
C26	*D1
C27	*E1
C28	*A1
C29	*A1
C30	E1
C31	C2
C32	*C2
C33	*D2
C34	D3
C35	C2
C36	A2
C37	*E1
C38	D1
C39	*C2
C40	*B2
C41	*A2
C42	*D1
C43	A3
C101	D1
C102	*D2
C103	D2
C104	*D2
C105	*D2
C106	D2
C107	D2
C108	C2
C109	C2
C110	C2
C111	C2
C112	C2
C116	*D1
C117	*D1
C118	*D2
C119	*D2
C120	*C2
C121	*C1
C123	*D1
C124	D2
C125	D2
C126	*C2
C127	*C2
C128	*D2
C129	*D1
C132	D1
C134	D1
C137	D1
C138	D1
C139	D1
C140	D1
C141	D1
C143	D2
C201	*B2
C202	*C2
C203	*B3
C204	*C2
C205	*C1
C206	C1
C207	C2
C208	B2
C209	C2
C210	B2
C211	B2
C212	B2
C216	*C1
C217	*C1
C218	*B1
C219	*B1
C220	*B1
C221	*B1
C223	*B1
C224	C1
C225	C1
C226	*B1
C227	*B1
C228	*B2
C229	*C1
C232	D1
C234	C1
C235	C1
C237	D1
C238	C1
C239	C1
C240	C1
C241	C1
C243	C1
C301	B1
C302	*B2
C303	B2
C304	*B2
C305	*B2
C306	B2
C307	B2
C308	A2
C309	A2
C310	A2
C311	A2
C312	A2
C316	*A1
C317	*A1
C318	*A2
C319	*A2
C320	*A2
C321	*A1
C323	*A1
C324	B1
C325	A1
C326	*A2
C327	*A2
C328	*A2
C329	*B1
C332	D1
C334	B1
C337	D1
C338	A1
C339	B1
C340	A1
C341	B1
C343	A1
CL1	B3
CL2	B3
CN1	*C2
CN2	*E2
CN3	*C3
D1	A3
D2	B3
D3	B3
D4	D1
D5	C2
D103	*D1
D203	*C1
D303	*B1
FL101	D2
FL102	D2
FL201	C2
FL202	C2
FL301	A2
FL302	A2
IC1	*A2
IC2	B3
IC3	B3
IC4	*D1
IC5	*D1
IC6	D1
IC7	*C3
IC8	*E1
IC9	*A1
IC10	*A1
IC11	*D1
IC12	B2
IC13	*D1
IC16	*A3
IC17	*A3
IC18	C2
IC19	D2
IC101	*D1
IC102	*D2
IC103	C2
IC104	D2
IC201	*C1
IC202	*B2
IC203	B1
IC204	B2
IC301	*A1
IC302	*A2
IC303	A1
IC304	A2
L1	*C3
L6	C2
L7	B2
L8	*A2
L101	D2
L103	D2
L104	D2
L201	C1
L203	B2
L204	B2
L301	B1
L303	A2
L304	A2
Q2	B2
Q3	B3
Q4	*D1
Q5	*D1
Q6	D1
Q9	*E1
Q10	*E2
Q11	*D1
Q12	B1
Q13	A1
Q14	A2
Q101	*D2
Q102	*D2
Q103	*D2
Q104	C2
Q105	*C2
Q106	*C2
Q109	*C2
Q113	*D2
Q114	*C2
Q201	*C2
Q202	*C2
Q203	*C2
Q204	B2
Q205	*B2
Q206	*B2
Q209	*B1
Q213	*C2
Q214	*B2
Q301	*B2
Q302	*B2
Q303	*B2
Q304	A2
Q305	*A2
Q306	*A2
Q309	*A1
Q313	*B2
Q314	*A2
R1	*B3
R2	*B2
R3	*B3
R4	*B3
R5	*B3
R6	*B3
R7	B3
R9	*B3
R10	*B3
R11	A2
R12	A3
R13	*D1
R14	*D1
R15	*D1
R16	*D1
R17	*D1
R18	*D1
R19	*C1
R20	*D1
R21	B2
R22	*D1
R23	*D1
R24	*D1
R25	*D1
R26	D1
R27	*D1
R28	D1
R29	C1
R30	C1
R31	A3
R32	*A3
R33	*A3
R34	*A3
R35	*A3
R36	*D3
R37	D3
R38	*D3
R39	D3
R40	*D3
R41	D3
R42	*E1
R43	*E1
R44	*E1
R45	*E1
R46	*E2
R47	E3
R48	E3
R49	E1
R50	D1
R51	D1
R53	*E2
R57	*D1
R58	*D1
R59	*D2
R60	C1
R61	C1
R62	*D2
R63	A1
R64	A1
R65	*D2
R66	*A3
R67	*C3
R68	*C3
R69	*D3
R70	*D3
R71	*D3
R72	*C3
R73	*E2
R74	D2
R76	C2
R77	C2
R78	*D2
R79	D2
R80	D1
R81	*C2
R82	*B2
R83	*A2
R101	*D2
R102	*D2
R103	*D2
R104	*D2
R105	*D2
R106	*D2
R107	D2
R108	D2
R109	*D2
R110	*D2
R111	*D2
R112	*C3
R113	*C3
R114	*D2
R115	*D2
R116	*D2
R117	*D2
R118	D2
R119	D2
R120	C2
R121	C2
R122	C2
R124	C2
R125	*C2
R126	*D2
R127	D2
R128	D2
R129	D1
R130	C2
R131	C2
R132	*C1
R133	*C1
R134	*A1
R135	*C1
R136	*D1
R137	*A1
R138	*D1
R139	*D1
R150	*C2
R151	*C2
R152	*C2
R153	*C2
R154	*C2
R155	*C2
R156	C2
R157	D2
R158	C2
R159	*D1
R160	*D1
R161	*D1
R162	*D2
R163	*D2
R164	*D2
R165	*D2
R166	*D2
R167	C2
R168	*C2
R169	*D1
R201	*C2
R202	*C2
R203	*C1
R204	*C2
R205	*C2
R206	*C1
R207	C2
R208	C2
R209	*C2
R210	*C2
R211	*C2
R212	*C3
R213	A3
R214	*C2
R215	*C2
R216	*C2
R217	*C2
R218	B2
R219	B2
R220	B2
R221	B2
R222	B2
R224	B2
R225	*B2
R226	*B2
R227	C1
R228	C1
R229	C1
R230	B2
R231	*B1
R232	*B1
R233	*B1
R234	*A1
R235	*B1
R236	*B1
R237	*A1
R238	B1
R239	*C1
R250	*B2
R251	*B2
R252	*B2
R253	*B2
R254	*B2
R255	*B2
R256	B2
R257	B2
R258	B2
R259	*C1
R260	*C1
R261	*C1
R262	*C1
R263	*C2
R264	*C2
R265	*C2
R266	*C2
R267	B2
R268	*B2
R269	*C1
R301	*B2
R302	*B2
R303	*B2
R304	*A2
R305	*A2
R306	*B1
R307	B2
R308	B2
R309	*B2
R310	*B2
R311	*B2
R312	A2
R313	A2
R314	*B2
R315	*B2
R316	*B2
R317	*B2
R318	A2
R319	A2
R320	A2
R321	A2
R322	A2
R324	A2
R325	*A2
R326	*A2
R327	A1
R328	A2
R329	A1
R330	A2
R331	*A1
R332	*A1
R333	*A1
R334	A1
R335	*A1
R336	*A1
R337	*A1
R338	A1
R339	*B1
R350	*A2
R351	*A2
R352	*A2
R353	*A2
R354	*A2
R355	*A2
R356	A2
R357	A2
R358	A2
R359	*A1
R360	*A1
R361	*B1
R362	*B1
R363	*B2
R364	*B2
R365	*A2
R366	*A2
R367	A2
R368	*A2
R369	*A1
RV101	D2
RV201	C2
RV301	B2
TP1	C2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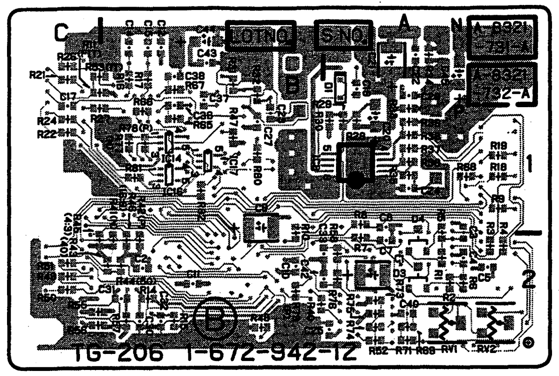


TG-206/206P -A SIDE-
SUFFIX:-12

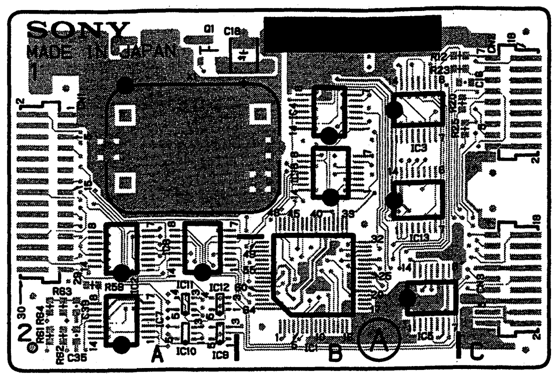
TG-206/206P -B SIDE-
SUFFIX:-12

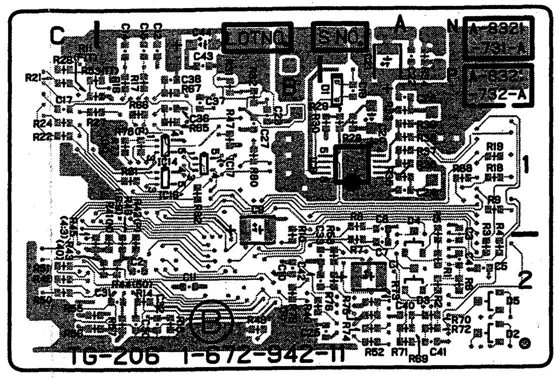
DVW-707 (J) : **S/N 30006 ahd Higher**
DVW-707 (SY) : **S/N 10021 and Higher**
DVW-707P : **S/N 40036 and Higher**

TG-206/206P (1-672-942-12)
----

*:B SIDE

C1	*A2
C2	*B2
C3	*A1
C4	*A2
C5	*A2
C7	*A2
C8	*A1
C9	*B1
C10	*B2
C11	*B2
C12	*B1
C14	*B1
C15	*B1
C16	C1
C17	*C1
C18	B1
C19	*A1
C20	*A1
C21	*A1
C22	*A1
C23	*B1
C24	*A1
C25	*A2
C27	*B1
C28	*A1
C30	*B2
C31	*B2
C32	*B2
C33	*A2
C35	A2
C36	*B1
C37	*B1
C38	*B1
C39	A2
C40	*A2
C41	A2
C42	*A2
C43	*B1
C44	*B1
C45	*A1
CN1	A1
CN2	C1
CN3	C2
D1	*A1
D3	*A2
D4	*A2
IC1	B2
IC2	A2
IC3	B1
IC4	B1
IC5	B2
IC6	A2
IC7	A2
IC8	*A1
IC9	A2
IC10	A2
IC11	A2
IC12	A2
IC13	B1
IC14	*B1
IC16	*B1
IC17	*B1
IC18	B1
Q1	A1
R1	*A2
R2	*A2
R3	*A2
R4	*A2
R5	*A1
R6	*A2
R7	*A2
R8	*A1
R9	*A1
R10	*B1
R11	*C1
R12	C1
R14	*B2
R15	*B2
R16	*B1
R17	*B1
R18	*A1
R19	*A1
R20	C1
R21	*C1
R22	*C1
R23	C1
R24	*C1
R25	C1
R26	*C1
R27	*C1
R28	*A1
R29	*A1
R30	*A1
R31	*B1
R32	*B1
R33	*A1
R34	*A1
R35	*A1
R36	*A1
R37	*A1
R38	*A1
R39	*A1
R40	*B2
R41	*B2
R42	*B2
R43	*B2
R44	*B2
R45	*C2
R46	*B2
R47	*B1
R48	*B2
R49	*C2
R50	*C2
R51	*C2
R52	*A2
R53	*C1
R55	*C2
R56	*C2
R57	*B2
R58	*A2
R59	A2
R62	A2
R63	A2
R65	*B1
R66	*B1
R67	*B1
R68	*A1
R69	*A2
R70	A2
R71	*A2
R72	A2
R73	*A2
R74	*A2
R75	*A2
R76	*A2
R77	*B1
R78	*B1
R79	*B2
R80	*B1
R81	*B1
R82	*B1
RV1	*A2
RV2	*A2
X1	A1


[redacted]



TG-206/206P -A SIDE-
SUFFIX:-11

TG-206/206P -B SIDE-
SUFFIX:-11

DVW-707 (J) : **S/N 30001 through 30005**
DVW-707 (SY) : **S/N 10001 through 10020**
DVW-707P : **S/N 40001 through 40035**

TG-206/206P (1-672-942-11)
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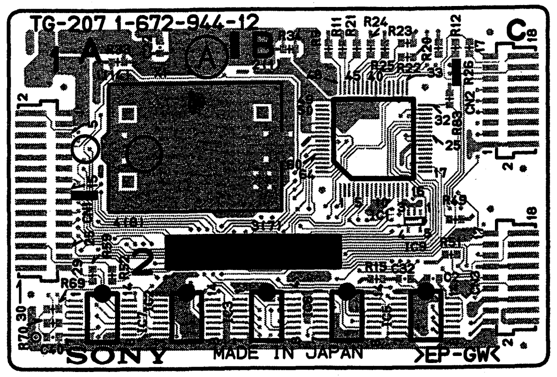
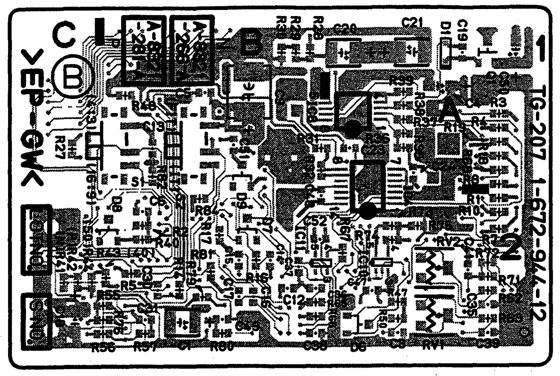
*:B SIDE

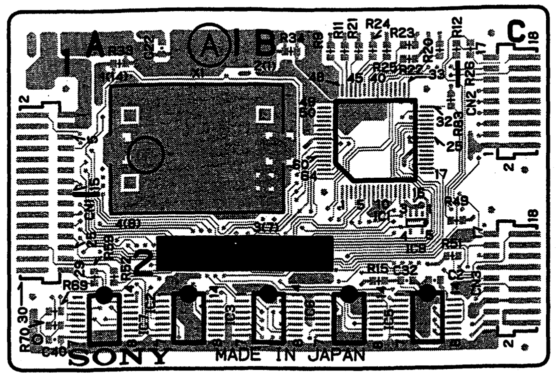
C1	*A2
C2	*B2
C3	*A1
C4	*A2
C5	*A2
C7	*A2
C8	*A1
C9	*B1
C10	*B2
C11	*B2
C12	*B1
C14	*B1
C15	*B1
C16	C1
C17	*C1
C18	B1
C19	*A1
C20	*A1
C21	*A1
C22	*A1
C23	*B1
C24	*A1
C25	*A2
C27	*B1
C28	*A1
C30	*B2
C31	*B2
C32	*B2
C33	*A2
C35	A2
C36	*B1
C37	*B1
C38	*B1
C39	A2
C40	*A2
C41	*A2
C42	*A2
C43	*B1
C44	*B1
CN1	A1
CN2	C1
CN3	C2
D1	*A1
D2	*A2
D3	*A2
D4	*A2
D5	*A2
IC1	B2
IC2	A2
IC3	B1
IC4	B1
IC5	B2
IC6	A2
IC7	A2
IC8	*A1
IC9	A2
IC10	A2
IC11	A2
IC12	A2
IC13	B1
IC14	*B1
IC16	*B1
IC17	*B1
IC18	B1
Q1	A1
R1	*A2
R2	*A2
R3	*A2
R4	*A2
R5	*A1
R6	*A2
R7	*A2
R8	*A1
R9	*A1
R10	*B1
R11	*C1
R12	C1
R14	*B2
R15	*B2
R16	*B1
R17	*B1
R18	*A1
R19	*A1
R20	C1
R21	*C1
R22	*C1
R23	C1
R24	*C1
R25	C1
R26	*C1
R27	*C1
R28	*A1
R29	*A1
R30	*A1
R31	*B1
R32	*B1
R33	*A1
R34	*A1
R35	*A1
R36	*A1
R37	*A1
R38	*A1
R39	*A1
R40	*B2
R41	*B2
R42	*B2
R43	*B2
R44	*B2
R45	*C2
R46	*B2
R47	*B1
R48	*B2
R49	*C2
R50	*C2
R51	*C2
R52	*A2
R53	*C1
R55	*C2
R56	*C2
R57	*B2
R58	*A2
R59	A2
R61	A2
R62	A2
R63	A2
R64	A2
R65	*B1
R66	*B1
R67	*B1
R68	*A1
R69	*A2
R70	*A2
R71	*A2
R72	*A2
R73	*A2
R74	*A2
R75	*A2
R76	*A2
R77	*B1
R78	*B1
R79	*B2
R80	*B1
R81	*B1
R82	*B1
X1	A1



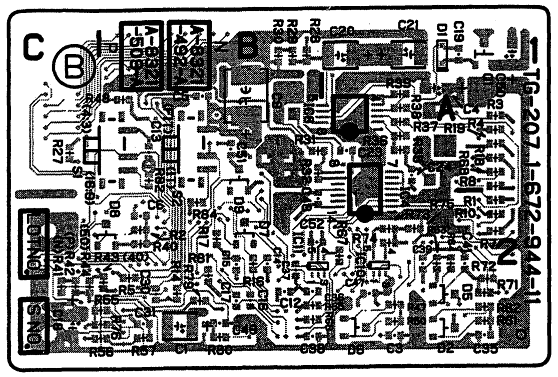
TG-207/207P -A SIDE-
SUFFIX:-12



TG-207/207P -B SIDE-
SUFFIX:-12



TG-207/207P -A SIDE-
SUFFIX:-11



TG-207/207P -B SIDE-
SUFFIX:-11

TG-207/207P (1-672-944-12)

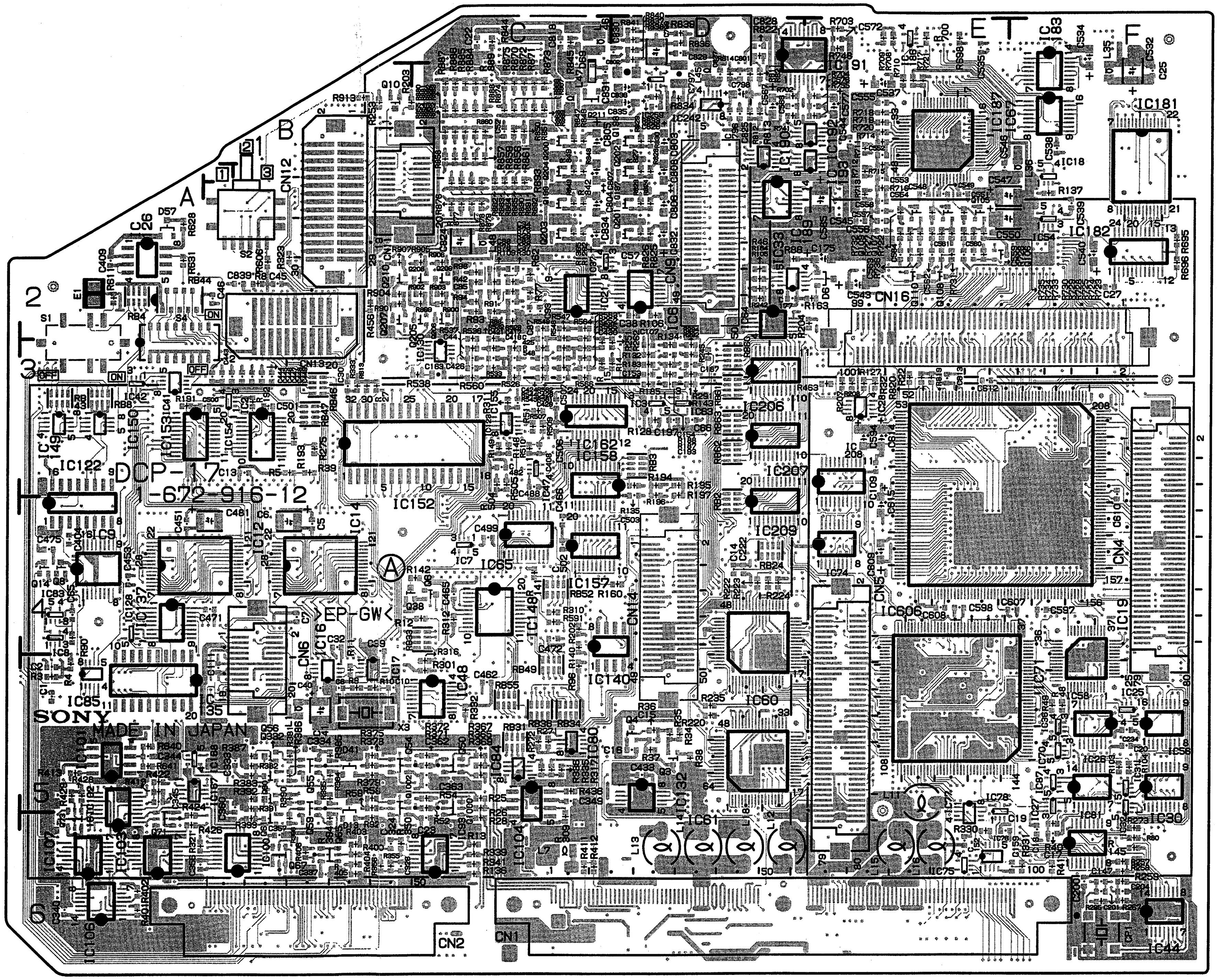
*:B SIDE

C1	*B2
C2	B2
C3	*A2
C4	*A1
C5	*B1
C6	*B2
C9	*B1
C12	*B2
C13	*B1
C14	*B2
C15	*B2
C16	*B2
C17	*B2
C18	*C2
C19	*A1
C20	*A1
C21	*A1
C22	A1
C23	*A1
C24	*A1
C30	*B2
C31	*B2
C32	B2
C35	*A2
C36	*B2
C37	*B2
C38	*B2
C39	*A2
C40	A2
C41	*A2
C47	*A2
C48	*B2
C49	*B2
C50	*A1
C51	*B1
C52	*B2
CN1	A1
CN2	C1
CN3	C2
D1	*A1
D6	*A2
D7	*B2
D8	*B2
D9	*B1
IC1	B1
IC2	A2
IC3	B2
IC4	*A2
IC5	B2
IC6	B2
IC7	A2
IC8	*A1
IC9	B2
IC10	*A2
IC11	*B2
Q1	*A1
R1	*A2
R2	*B2
R3	*A1
R4	*A1
R5	*B2
R7	*A2
R8	*A1
R9	B1
R10	*A2
R11	B1
R12	B1
R14	*B2
R15	B2
R16	*B2
R17	*B2
R18	*A1
R19	*A1
R20	B1
R21	B1
R22	B1
R23	B1
R24	B1
R25	B1
R26	C1
R27	*C1
R28	*B1
R29	*B1
R30	*B1
R31	*B1
R32	*B1
R33	A1
R34	B1
R35	*A1
R36	*A1
R37	*A1
R38	*A1
R39	*A1
R40	*B2
R41	*C2
R42	*C2
R43	*B2
R44	*C2
R47	*A2
R48	*B1
R49	B2
R50	*A2
R51	B2
R52	A2
R55	*B2
R56	*B2
R57	*B2
R59	A2
R62	*A2
R63	*A2
R65	*B2
R66	*B2
R67	*A2
R68	*A1
R69	A2
R70	A2
R71	*A2
R72	*A2
R73	*A2
R74	*A2
R75	*A2
R76	*B2
R79	*B2
R80	*B2
R81	*B2
R82	*B1
R83	B1
R84	*B2
RV1	*A2
RV2	*A2
S1	*B1
S2	*B1
X1	A1

TG-207/207P (1-672-944-11)

*:B SIDE

C1	*B2
C2	B2
C3	*A2
C4	*A1
C5	*B1
C6	*B2
C9	*B1
C12	*B2
C13	*B1
C14	*B2
C15	*B2
C16	*B2
C17	*B2
C18	*C2
C19	*A1
C20	*A1
C21	*A1
C22	A1
C23	*A1
C24	*A1
C30	*B2
C31	*B2
C32	B2
C35	*A2
C36	*B2
C37	*B2
C38	*B2
C39	*A2
C40	A2
C41	*A2
C47	*A2
C48	*B2
C49	*B2
C50	*A1
C51	*B1
C52	*B2
CN1	A1
CN2	C1
CN3	C2
D1	*A1
D2	*A2
D5	*A2
D6	*A2
D7	*B2
D8	*B2
D9	*B1
IC1	B1
IC2	A2
IC3	B2
IC4	*A2
IC5	B2
IC6	B2
IC7	A2
IC8	*A1
IC9	B2
IC10	*A2
IC11	*B2
Q1	*A1
R1	*A2
R2	*B2
R3	*A1
R4	*A1
R5	*B2
R7	*A2
R8	*A1
R9	B1
R10	*A2
R11	B1
R12	B1
R14	*B2
R15	B2
R16	*B2
R17	*B2
R18	*A1
R19	*A1
R20	B1
R21	B1
R22	B1
R23	B1
R24	B1
R25	B1
R26	C1
R27	*C1
R28	*B1
R29	*B1
R30	*B1
R31	*B1
R32	*B1
R33	A1
R34	B1
R35	*A1
R36	*A1
R37	*A1
R38	*A1
R39	*A1
R40	*B2
R41	*C2
R42	*C2
R43	*B2
R44	*C2
R47	*A2
R48	*B1
R49	B2
R50	*A2
R51	B2
R52	A2
R55	*B2
R56	*B2
R57	*B2
R59	A2
R61	*A2
R62	*A2
R63	*A2
R64	*A2
R65	*B2
R66	*B2
R67	*A2
R68	*A1
R69	A2
R70	A2
R71	*A2
R72	*A2
R73	*A2
R74	*A2
R75	*A2
R76	*B2
R79	*B2
R80	*B2
R81	*B2
R82	*B1
R83	B1
R84	*B2
S1	*B1
S2	*B1
X1	A1



Components locations list ; previous page

DCP-17 -A SIDE-
SUFFIX:-12

DCP-17 (1-672-916-12)
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*:B SIDE

C1	A5
C2	A5
C4	*A4
C5	B4
C6	B4
C7	B4
C8	B5
C9	*A3
C10	B5
C11	*F4
C12	*F5
C13	B3
C14	D4
C15	D5
C16	D5
C17	F6
C18	F6
C19	F6
C20	F5
C21	*C6
C22	C1
C23	C6
C24	*F5
C25	F1
C26	*F2
C27	F2
C28	*A4
C29	*B2
C30	B3
C31	*B5
C32	B4
C33	*D2
C34	C2
C35	*C2
C36	*C2
C37	C2
C38	D2
C39	B4
C40	B5
C41	B5
C42	*A4
C43	*A4
C44	C3
C45	B2
C46	A2
C47	*A3
C48	*F6
C49	*D5
C50	*D5
C51	*C1
C52	C1
C53	*B6
C54	*D5
C55	*C6
C56	*B5
C57	D2
C58	*E6
C59	*D2
C60	*D2
C61	*D2
C62	*D2
C63	*F6
C64	*F6
C65	A4
C66	D3
C67	*C3
C78	*C2
C79	*C2
C80	*E6
C81	*D5
C82	*D6
C83	C2
C84	*D5
C85	C2
C86	*D6
C87	C2
C88	C2
C93	C2
C99	*F6
C100	*F6
C102	*E4
C103	*E5
C105	*E5
C106	*D3
C107	D3
C109	E3
C111	A5
C112	*E6
C113	*D6
C114	*D6
C115	*E6
C116	*D6
C117	*D3
C118	*D3
C123	*D5
C124	*B1
C132	*D2
C133	*D2
C135	*C2
C136	*D2
C147	F6
C152	E6
C153	D3
C154	D3
C155	C3
C156	*E6
C157	*E6
C158	*E5
C159	F6
C160	*E5
C161	*A5
C162	*A5
C163	C3
C175	E2
C177	D2
C178	*C6
C180	*D6
C181	*D6
C182	*D6
C183	*E6
C184	*D6
C185	*E6
C187	D3
C188	*D6
C189	*D6
C190	*C6
C191	*D6
C193	D3
C194	*D6
C195	*D6
C196	*C6
C197	D3
C199	*F6
C200	F6
C201	F6
C202	*F6
C203	*F6
C204	F6
C205	*E4
C206	*E4
C219	*E5
C221	*D4
C222	D4
C228	*F5
C229	*F5
C230	*F5
C231	*F5
C232	*F5
C233	*F5
C234	F5
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C238	*D4
C239	*D5
C240	*D5
C241	*D5
C247	*D4
C248	*D4
C249	*D4
C259	*D4
C260	*D5
C261	*D5
C262	*D5
C263	*D5
C264	*D5
C265	*D5
C267	*D5
C268	*D5
C269	*D5
C295	*F6
C300	*B5
C301	*B5
C315	*B1
C316	*C5
C317	*C5
C318	*C5
C319	*A6
C323	*C6
C324	B6
C325	*C6
C326	B6
C327	*C6
C328	*C5
C329	*B5
C330	*C5
C331	*B5
C332	*B5
C333	B5
C334	B5
C335	*B5
C336	*B5
C337	B6
C338	*B6
C340	A6
C341	*A5
C342	*A5
C343	*A5
C344	A5
C345	A5
C346	*A6
C347	*C5
C348	*C6
C349	C5
C354	*C6
C355	*C6
C356	A6
C357	B6
C358	*A6
C359	*A6
C360	B5
C362	C5
C363	C5
C365	*B6
C403	*A4
C404	A4
C407	*A4
C408	C3
C409	A2
C410	*A2
C411	*A4
C416	C3
C417	C3
C420	*C3
C421	C3
C423	C3
C424	C3
C425	C2
C426	C3
C429	C3
C430	C3
C432	*D5
C433	D5
C434	*D5
C435	*D5
C437	*A2
C438	*B2
C441	*B2
C443	A3
C444	A3
C445	B3
C446	B3
C447	B3
C448	B3
C449	B3
C450	*A2
C451	A4
C453	A4
C462	C5
C465	C4
C466	C4
C467	*F4
C471	A4
C472	C4
C473	*D5
C475	A4
C476	*A5
C477	*A5
C478	*A3
C479	*A3
C480	*A2
C481	A4
C482	C3
C483	*C3
C484	*B3
C485	*B3
C486	*B3
C487	*C3
C488	C3
C499	C4
C500	A3
C501	B3
C502	C4
C503	D3
C504	*D1
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C507	C3
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C509	*A6
C510	*B6
C511	*A5
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C534	F1
C535	E1
C536	*E1
C537	E1
C538	F1
C539	F2
C540	F2
C541	*E2
C542	*E2
C543	E2
C544	E1
C545	E2
C546	E1
C547	F2
C548	E2
C549	E2
C550	F2
C551	E2
C552	E1
C553	E1
C554	E2
C555	E1
C556	E2
C557	E2
C558	E2
C559	E2
C560	E2
C561	E2
C562	E2
C563	E2
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C565	E2
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C569	*D1
C570	*E1
C571	*D1
C572	E1
C573	*E1
C575	*D1
C576	E1
C577	E1
C579	*E1
C591	*F3
C592	*F3
C593	*F3
C594	E3
C595	*F4
C596	*F4
C597	F4
C598	E4
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C609	E4
C610	F3
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C616	*E3
C793	*C1
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C799	D1
C801	D1
C802	D1
C803	D1
C804	C2
C805	C1
C806	D2
C807	C1
C808	D1
C809	*C1
C810	*D2
C811	*D1
C812	*C2
C813	*D1
C814	*C1
C815	*C1
C816	*C2
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C823	*C2
C824	C2
C825	D1
C826	D1
C827	*C2
C828	D1
C829	D1
C830	D1
C831	C1
C832	D2
C834	C2
C835	D1
C836	D1
C837	D1
C838	*D2
C839	B2
C840	*D5
CL1	*B4
CL2	*D2
CL3	*D2
CL4	*D3
CL7	*A3
CL8	*A3
CL9	*A4
CL10	*A3
CL11	*A3
CL12	*A4
CN1	D6
CN2	B6
CN4	F4
CN5	E5
CN6	B5
CN9	D2
CN11	B1
CN12	B2
CN13	B2
CN14	D4
CN16	E2
CP1	F6
D2	*F5
D3	*F5
D4	*F5
D5	*D6
D6	E2
D7	*C6
D8	*D6
D9	*D6
D10	*C6
D11	*F5
D13	B5
D14	*C3
D15	*D4
D16	*D5
D40	*B6
D41	B5
D51	*A3
D55	*A5
D56	*A5
D57	A2
D69	C1
E1	A2
E2	*D3
IC1	*A5
IC2	A3
IC3	D3
IC4	*C2
IC5	*D2
IC6	D2
IC7	C4
IC8	A4
IC9	A4
IC12	A4
IC13	*C1
IC14	B4
IC15	*B5
IC16	B5
IC17	B5
IC18	F1
IC19	F5
IC20	*C2
IC21	C2
IC22	*D2
IC23	*C4
IC24	*E4
IC25	F5
IC26	F5
IC27	F5
IC28	E3
IC29	*F6
IC30	F5
IC31	F5
IC32	F5
IC33	D2
IC34	*D6
IC35	*D6
IC36	F5
IC37	C2
IC38	*A4
IC39	*F5
IC40	*D5
IC41	A3
IC42	A3
IC43	*D3
IC44	F6
IC45	*F6
IC46	*F6
IC47	C3
IC48	C5
IC49	*F5
IC50	*E5
IC51	*E5
IC52	*E6
IC53	*E4
IC54	F2
IC55	*E4
IC56	F5
IC57	*F5
IC58	F5
IC59	*F5
IC60	D4
IC61	D5
IC62	*E4
IC63	D3
IC64	D2
IC65	C4
IC66	*B1
IC67	F1
IC68	*D5
IC69	*F5
IC70	F5
IC71	E5
IC72	*C4
IC73	*E5
IC74	E4
IC75	E6
IC76	E6
IC77	E6
IC78	E6
IC79	*E3
IC80	C5
IC81	F6
IC82	*C6
IC83	A4
IC84	C5
IC85	A5
IC86	*D3
IC87	F5
IC88	*F5
IC89	*F5
IC90	*A5
IC91	*D3
IC92	*D1
IC93	C6
IC94	*F5
IC95	*E5
IC96	*B5
IC97	*F5
IC100	B6
IC101	A5
IC102	A6
IC103	A6
IC104	C5
IC105	*B5
IC106	A6
IC107	A6
IC108	*A6
IC122	A4
IC123	C3
IC126	A2
IC128	A4
IC129	*C3
IC130	C3
IC131	*C3
IC132	D5
IC133	*D4
IC134	*B3
IC135	A5
IC137	A4
IC140	C5
IC148	C4
IC149	A3
IC150	A3
IC152	B3
IC153	A3
IC154	B3
IC157	C4
IC158	D3
IC161	*D3
IC162	C3
IC163	*C3
IC164	*A6
IC165	*B6
IC166	*A5
IC167	A5
IC168	A5
IC181	F1
IC182	F2
IC183	F1
IC185	*E1
IC186	E1
IC187	E1
IC189	D2
IC190	D1
IC191	D1
IC192	E1
IC193	E1
IC203	*D4
IC204	*D4
IC205	*F4
IC206	D3
IC207	D3
IC208	E4
IC209	D4
IC242	D1
IC243	*D1
IC244	*D1
IC245	*D1
IC248	*D2
IC249	*D1
IC250	*C2
IC251	*C1
IC252	*C1
IC253	*C1
IC254	*C1
IC255	*C2
IC256	*B2
IC258	*D1
IC259	D1
IC260	*D1
IC261	*D1
IC262	*B2
IC263	*D5
IC606	E3
IS10	*A4
IS11	*B4
L1	B5
L2	*B2
L3	*A4
L4	*D6
L5	*F6
L6	*D5
L7	C6
L9	*D5
L10	*D5
L11	E5
L12	D6
L13	D6
L14	D6
L15	E6
L16	E6
L18	D6
L22	*B5
L23	*B5
L31	*A4
L34	*A4
L35	F1
L36	F1
L45	D1
L46	C1
L47	C1
L48	C2
Q1	*B5
Q2	*B5
Q3	D5
Q4	D5
Q5	*D5
Q6	C4
Q7	*D2
Q8	A4
Q9	*A3
Q10	B1
Q11	*A4
Q12	*A3
Q14	A4
Q23	*D6
Q24	*C6
Q25	*C6
Q38	C4
Q47	*B6
Q48	*B6
Q50	C5
Q53	*C5
Q54	B5
Q55	B5
Q56	B5
Q59	B5
Q60	B5
Q61	B6
Q63	*A5
Q64	*A5
Q65	B6
Q66	*B6
Q67	B6
Q68	*A5
Q69	*A5
Q71	A6
Q73	A6
Q75	*A5
Q91	*C3
Q92	*B6
Q105	E2
Q106	E2
Q107	E2
Q108	E2
Q109	E2
Q110	E2
Q197	D2
Q198	D1
Q199	C2
Q200	C1
Q201	D2
Q202	D1
Q203	C2
Q204	C1
Q205	C2
Q206	C2
Q207	B2
Q208	C2
Q209	C2
Q210	B2
Q211	C1
Q332	B5
Q1000	C5
Q1001	*C5
Q1002	B5
R1	*A5
R2	*A5
R3	A5
R4	A5
R5	B3
R6	*A3
R7	*A3
R8	B2
R9	B5
R10	B5
R11	B5
R12	C4
R13	C6
R14	D3
R15	C3
R16	*F5
R17	*F5
R18	*F5
R19	*F4
R20	*F4
R21	*F3
R22	E3
R23	*E3
R24	*C6
R25	C5
R26	C5
R27	B3
R28	C6
R29	C2
R30	C2
R31	*C5
R32	E3
R33	*E4
R34	D5
R35	D5
R36	D5
R37	D5
R38	D5
R39	B3
R40	F6
R41	F6
R42	C2
R43	*F6
R44	*F6
R45	*F5
R46	D2
R47	*E4
R48	F5
R49	F5
R50	*F5
R51	*C5
R52	C5
R53	*C6
R54	C5
R55	*C5
R56	*B5
R57	*B6
R58	B5
R59	B5
R60	*C1
R61	*B1
R62	C2
R63	*B2
R64	*C2
R65	*C1
R66	*F1
R67	*F1
R68	*F1
R69	*F5
R70	*E6
R71	*E6
R72	*D5
R73	*D6
R74	*A4
R75	*C6
R76	C2
R77	C2
R78	C2
R79	*D2
R80	F6
R81	*F6
R82	*F6
R83	*A4
R84	*D2
R85	*D2
R86	D2
R87	*A4
R88	C2
R89	*A4
R90	A4
R91	C2
R92	B6
R93	C2
R94	C2
R95	*C2
R96	C5
R97	*E6
R98	C2
R99	*D2
R100	*E6
R101	*C4
R102	*D5
R103	F5
R104	F5
R105	D2
R106	D2
R107	*D2
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R109	C2
R110	*D6
R111	*C2
R112	*D4
R113	*D4
R114	*D4
R115	*D4
R116	*F4
R117	*D1
R118	*F6
R119	*E5
R120	*E6
R121	*E6
R122	*B6
R123	*B6
R124	*D6
R125	*D6
R126	*C3
R127	E3
R128	D3
R129	*D3
R130	*D3
R131	*D3
R132	D3
R133	*D2
R134	D3
R135	D3
R136	C6
R137	F2
R138	*D1
R139	*B6
R140	C4
R141	C4
R142	C4
R143	D3
R144	*F6
R145	F6
R146	*E4
R147	*E5
R148	C3
R149	C3
R150	*E4
R151	*E4
R152	*E4
R153	*E4
R154	*F5
R155	*F4
R156	*E5
R157	*F5
R158	*F5
R159	*F5
R160	D4
R163	E2
R164	D2
R166	*D6
R168	*D6
R169	*D6
R170	*D6
R173	*D6
R175	*C6
R176	*C6
R177	*D6
R178	*D6
R179	*C6
R183	D3
R185	D3
R187	D3
R188	D3
R190	*E6
R191	A3
R192	B3
R193	B3
R194	D3
R195	D3
R196	D3
R197	D3
R198	*B6
R199	*B6
R200	*C6
R201	*C6
R202	C4
R203	C1
R204	E2
R205	*D2
R206	*D2
R207	E3
R208	E3
R209	*E4
R210	*E4
R211	*A3
R212	*A4
R213	*F5
R214	*F5
R215	*F5
R216	*F5
R217	*D4
R218	*D5
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R223	D4
R224	D4
R225	*D4
R226	*D4
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R228	*D4
R229	*D4
R230	*D4
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R232	*D5
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R234	*D5
R235	D5
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R239	*D5
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R241	*D5
R242	D2
R243	*D5
R244	*D5
R245	D3
R246	*D3
R248	*E6
R249	*E6
R250	*C6
R251	C3
R252	C3
R253	B1
R254	*D5
R255	*D5
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R264	*D4
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R273	F6
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R289	*D1
R291	D3
R292	D3
R293	*D3
R294	D3
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R297	*F5
R298	*E5
R300	*B5
R301	C5
R302	*B5
R303	*B6
R304	*E6
R305	*E6
R306	*B6
R308	*E5
R309	C6
R310	C4
R311	C3
R312	C4
R313	*D3
R316	C5
R317	C5
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R320	*B5
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R328	*E6
R329	*E6
R330	E6
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R341	C6
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R352	*C6
R353	*B6
R354	*C6
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R356	B6
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R358	*B6
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R392	B5
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R394	B6
R395	B5
R396	B6
R398	*B5
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R400	B6
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R405	B6
R406	B6
R407	*B6
R408	*B6
R409	*B6
R410	*B6
R411	C6
R412	C6
R413	A5
R414	*A5
R415	*A5
R416	*A5
R417	*A6
R418	*A5
R419	A5
R420	*A5
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R431	*A6
R432	*A6
R433	*A5
R434	*B1
R435	*C6
R436	C5
R437	*C5
R438	*C5
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R440	*C5
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R442	*B6
R443	*B6
R444	*A5
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R456	B2
R461	*E3
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R463	E3
R464	*A6
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R501	*B3
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R507	C3
R508	*A4
R509	C3
R510	C3
R511	C3
R512	*D5
R513	*D5
R526	C3
R529	C3
R532	C3
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R537	C3
R538	C3
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R549	C2
R560	C3
R561	C3
R562	C3
R563	C2
R564	C2
R565	C3
R566	C3
R567	*D5
R568	*D6
R569	*D5
R570	*D5
R571	*D5
R572	*D5
R591	C4
R606	B2
R607	*A5
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R611	A2
R613	B3
R617	*E4
R619	*E4
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R625	*C3
R628	A2
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R636	*A6
R637	*B6
R638	*B6
R640	A5
R641	A5
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R696	F2
R697	*E1
R698	E1
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R705	*D1
R706	*D1
R707	*E1
R708	E1
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R713	E2
R714	E1
R715	E1
R716	E2
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R718	E1
R719	E1
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R721	E1
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R731	E2
R732	E2
R733	E2
R734	E2
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R736	E2
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R738	*D1
R739	*D1
R740	*D1
R741	D1
R742	*D1
R743	*D1
R744	*E1
R745	*E1
R746	*E1
R747	*E1
R748	E1
R749	*E1
R750	*E1
R751	*E1
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R755	E1
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R757	*E1
R800	*F4
R801	*F4
R802	*D1
R809	*D3
R810	*D1
R811	D1
R812	D1
R813	D1
R814	D1
R815	*F3
R816	*F3
R817	*F3
R819	E3
R820	E3
R821	D1
R822	D1
R823	D2
R824	D2
R825	D2
R826	D2
R827	D1
R828	D1
R829	D1
R830	D1
R831	*D1
R832	*D1
R833	D1
R834	D1
R835	*D2
R836	D1
R837	D1
R838	D1
R839	D1
R840	D1
R841	D1
R842	C2
R843	C2
R844	C1
R845	C1
R846	C1
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R848	C1
R849	C1
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R851	C1
R852	C1
R853	C1
R854	C1
R855	C1
R856	C1
R857	C1
R858	C1
R859	C1
R860	C1
R861	C1
R862	C2
R863	C2
R864	C2
R865	C2
R866	C1
R867	C1
R868	C1
R869	C1
R870	C1
R871	C1
R872	C1
R873	C1
R874	C1
R875	C1
R876	C2
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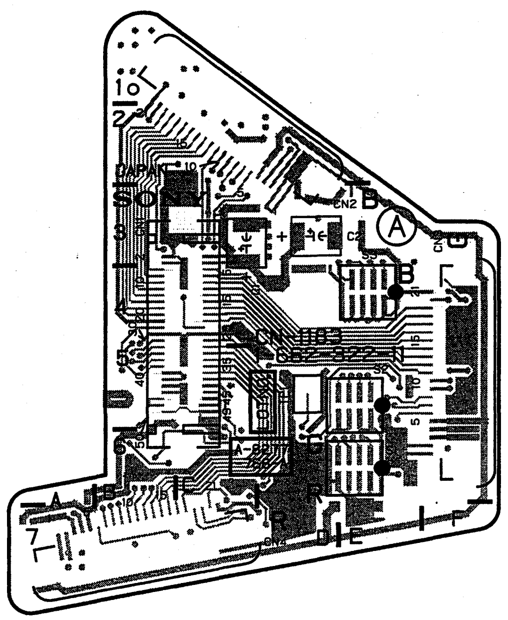
R886	C1
R887	C1
R888	C1
R889	C1
R890	C2
R891	C2
R892	C2
R893	C2
R894	*B2
R895	*B2
R896	*B2
R897	*C2
R898	*C2
R899	C2
R900	C2
R901	B2
R902	C2
R903	C2
R904	B2
R905	C2
R906	C2
R907	B2
R908	*B2
R909	*B2
R910	*B2
R911	*D5
R912	*D2
R913	B1
R914	*E5
R915	*E5
R916	*D5
R917	*B2
R918	*D5
R919	*D5
R920	*C3
R1261	*D1
R1292	C2
R1365	C2
RB1	*B2
RB2	D4
RB3	D3
RB4	A2
RB5	*B6
RB6	*C3
RB7	*D3
RB8	A3
RB15	*F5
RB16	*E5
RB18	*E6
RB19	*E6
RB20	*E6
RB21	*F6
RB22	*E6
RB24	D4
RB25	*E3
RB26	*E5
RB30	*D3
RB31	C5
RB32	*B6
RB33	C4
RB34	C5
RB35	*B4
RB36	C5
RB43	A3
RB44	A2
RB46	B3
RB47	B3
RB49	C5
RB51	*A6
RB52	C4
RB55	C5
RB56	*E6
RB57	*F2
RB58	*B2
RB59	*B1
RB60	D3
RB61	D3
RB62	D3
RB63	D3
S1	A3
S2	B2
S4	A3
X1	*A2
X2	*C3
X3	B5

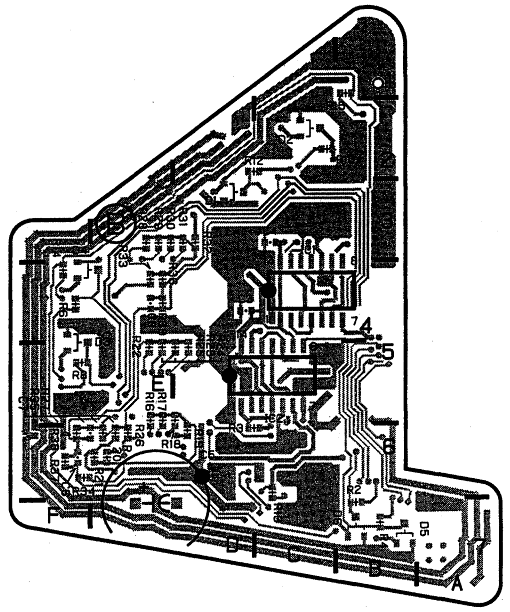
CN-1183 (1-662-322-11)

*:B SIDE

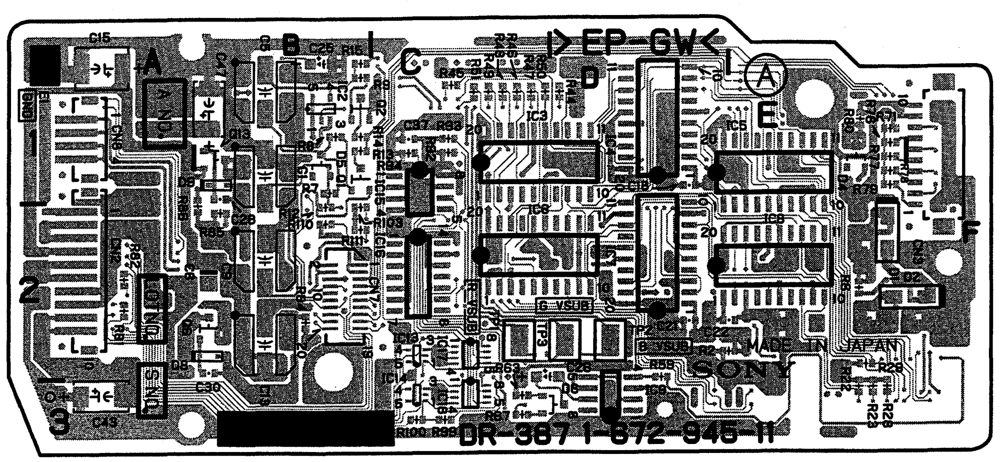
C1	A3
C2	A3
C3	*A4
C4	*A3
C5	*A7
C6	*A6
C7	*A6
C8	*A4
CN1	A4
CN2	A2
CN3	A5
CN4	A7
D1	*A3
D2	*A2
D3	*A4
D4	*A4
D5	*A7
D6	*A7
IC1	*A4
IC2	*A5
R2	*A7
R3	*A6
R4	*A7
R6	*A4
R8	*A5
R10	*A2
R12	*A2
R13	*A6
R14	*A4
R15	*A1
R16	*A5
R17	*A5
R18	*A5
R19	*A6
R20	*A6
R21	*A6
R22	*A5
R23	*A5
R24	*A5
R25	*A5
R26	*A6
R27	*A6
R28	*A3
R29	*A3
R30	*A3
R31	*A3
R32	*A3
R33	*A4
R34	*A6
R35	*A6
R36	*A4
R37	*A6
R38	*A6
R39	*A4
S1	A6
S2	A5
S3	A4
TP1	A5



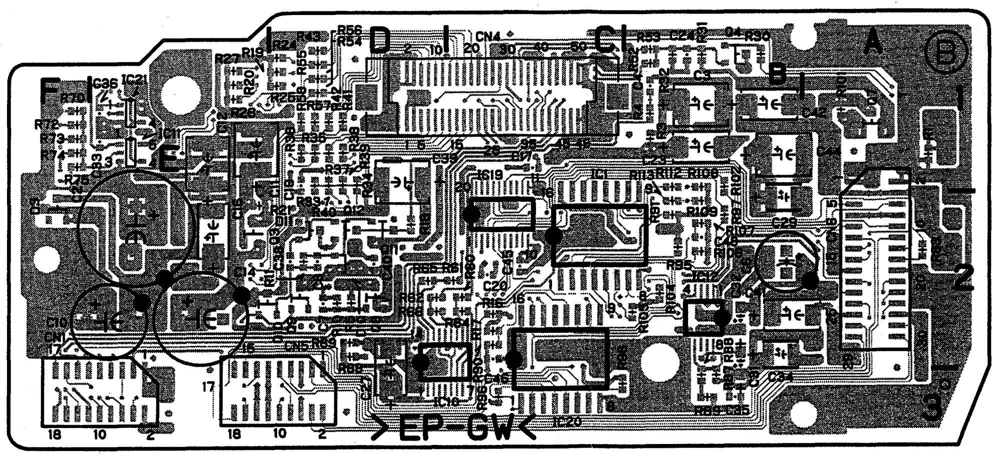
CN-1183 -A SIDE-
SUFFIX:-11



CN-1183 -B SIDE-
SUFFIX:-11



DR-387 -A SIDE-
SUFFIX:-11

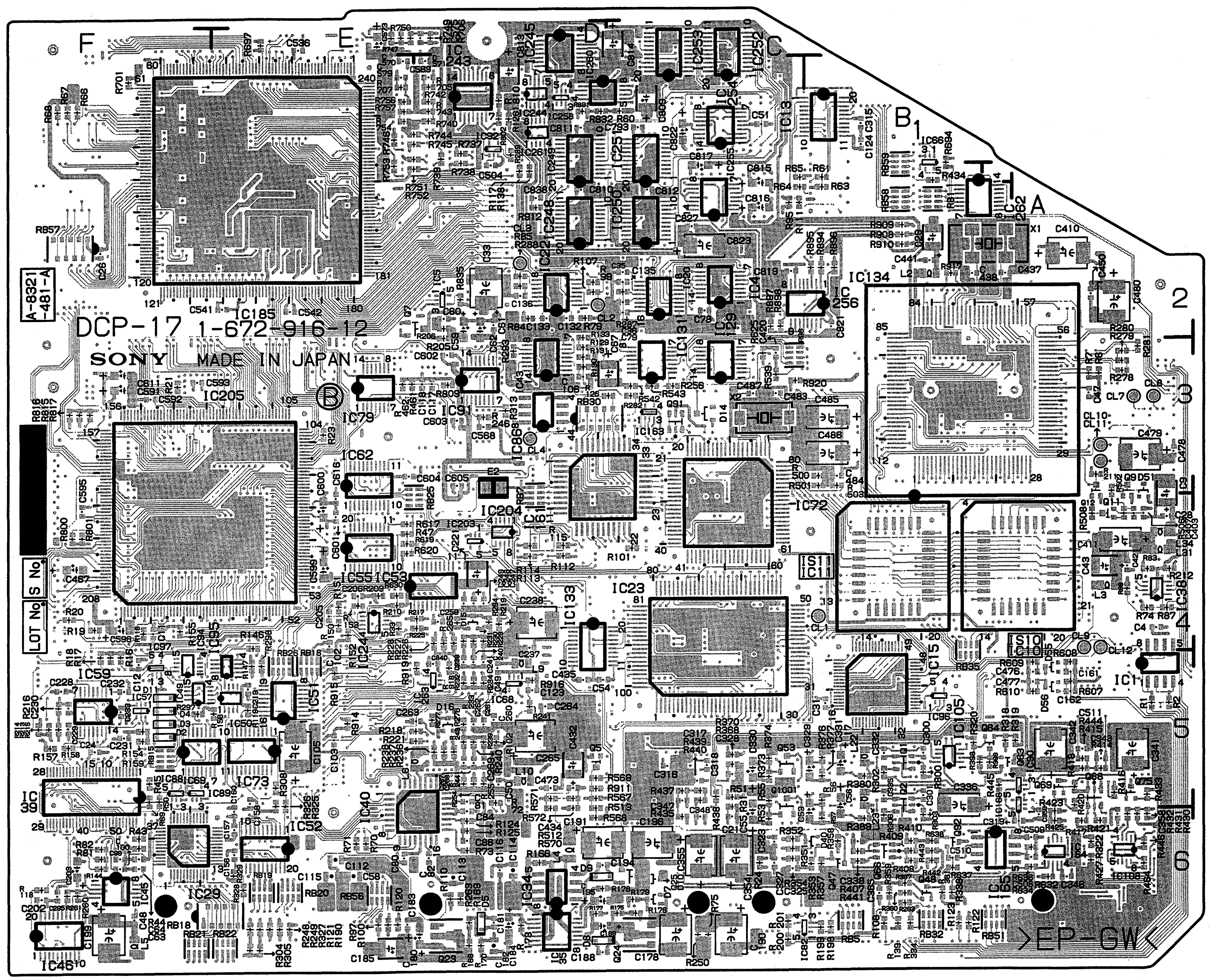


DR-387 -B SIDE-
SUFFIX:-11

DR-387 (1-672-945-11)

*:B SIDE

C1	B1	C43	A3	IC14	C3	R21	*E2	R63	C3	R105	*B2
C2	*E2	C44	*B1	IC15	C1	R22	E3	R64	*C2	R106	*B2
C3	*B1	C45	*C2	IC16	C2	R23	E3	R65	*D2	R107	*B2
C4	*B1	C46	*C2	IC17	C2	R24	*D1	R66	*D2	R108	*B1
C5	B1	C47	B1	IC18	C3	R25	*D1	R67	C3	R109	*B2
C6	*B2	C48	*B2	IC19	*C2	R26	*E1	R68	*D2	R110	B2
C7	*D2			IC20	*C3	R27	*E1	R69	*D2	R111	B2
C8	*D2	CN1	*E3	IC21	*E1	R28	E3	R70	*F1	R112	*B1
C9	B2	CN2	A2			R29	E2	R71	E1	R113	*B2
C10	*E2	CN3	F1	Q1	B1	R30	*B1	R72	*F1		
C11	*E1	CN4	*C1	Q2	B1	R31	*B1	R73	*F1	TP1	C2
C12	*E1	CN5	*D3	Q3	*E2	R32	*B1	R74	*F1	TP2	D2
C13	B2	CN6	*A2	Q4	*B1	R33	*D1	R75	*F1	TP3	D2
C14	*E2	CN7	B2	Q6	B2	R34	*D1	R76	E1		
C15	A1	CN8	A1	Q7	*A1	R35	*D1	R77	E1		
C16	*E2			Q8	*D2	R36	*D1	R78	E1		
C17	*C1	D1	E2	Q9	*D2	R37	*D1	R79	E1		
C18	D1	D2	F2	Q10	*E2	R38	*D1	R80	E1		
C19	*D1	D3	*F2	Q11	*D2	R39	*D1	R81	A2		
C20	*C2	D4	E1	Q12	*D2	R40	*D1	R82	A2		
C21	D2	D5	B1	Q13	B1	R41	*D1	R83	*A2		
C22	E2	D6	D3			R42	*D1	R84	B2		
C23	*B1	D8	B2	R1	*A1	R43	*D1	R85	B2		
C24	*B1	D9	B1	R2	E2	R44	D1	R86	B2		
C25	B1	D10	*D2	R3	*B1	R45	C1	R87	*B3		
C26	C2	D11	*D2	R4	*B1	R46	C1	R88	*B3		
C27	*D2			R5	*D2	R47	C1	R89	*B3		
C28	B1	E1	A1	R6	E2	R48	C1	R90	*C2		
C29	*B2			R7	B1	R49	C1	R91	*B2		
C30	B2	IC1	*C2	R8	B1	R50	C1	R92	C1		
C31	*B2	IC2	B1	R9	B1	R51	C1	R93	C1		
C32	*B2	IC3	C1	R10	*D2	R52	*B1	R94	C1		
C33	*E1	IC4	D1	R11	*D2	R53	*B1	R95	*B2		
C34	*B2	IC5	D2	R12	B2	R54	*D1	R96	*C3		
C35	*B3	IC6	C2	R13	B1	R55	*D1	R97	*B2		
C36	*E1	IC7	D2	R14	B1	R56	*D1	R98	*C3		
C37	C1	IC8	D2	R15	B1	R57	*D1	R99	C3		
C38	*D2	IC9	D3	R16	*C2	R58	*D1	R100	C3		
C39	*D1	IC10	*D3	R17	*C2	R59	D2	R101	*A1		
C40	*D2	IC11	*E1	R18	*D2	R60	*C2	R102	*B1		
C41	*B2	IC12	*B2	R19	*D1	R61	*C2	R103	B2		
C42	*B1	IC13	C2	R20	*E1	R62	*D2	R104	*B2		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A-8321-481-A
LOT No
S No
>EP-GW<
IC185
IC205
IC23
IC72
IC134
IC79
IC62
IC59
IC39
IC46
IC133
IC256
IC1
A
B
C
D
E
F
1
2
3
4
5
6

DCP-17 -B SIDE-

SUFFIX:-12

DCP-17

DCP-17 (1-672-916-11)

*:B SIDE

C1	A5
C2	A5
C4	*A4
C5	B4
C6	B4
C7	B4
C8	B5
C9	*A3
C10	B5
C11	*F4
C12	*F5
C13	B3
C14	D4
C15	D5
C16	D5
C17	F6
C18	F6
C19	F6
C20	F5
C21	*C6
C22	C1
C23	C6
C24	*F5
C25	F1
C26	*F2
C27	F2
C28	*A4
C29	*B2
C30	B3
C31	*B5
C32	B4
C33	*D2
C34	C2
C35	*C2
C36	*C2
C37	C2
C38	D2
C39	B4
C40	B5
C41	B5
C42	*A4
C43	*A4
C44	C3
C45	B2
C46	A2
C47	*A3
C48	*F6
C49	*D5
C50	*D5
C51	*C1
C52	C1
C53	*B6
C54	*D5
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C57	D2
C58	*E6
C59	*D2
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C64	*F6
C65	A4
C66	D3
C67	*C3
C78	*C2
C79	*C2
C80	*E6
C81	*D5
C82	*D6
C83	C2
C84	*D5
C85	C2
C86	*D6
C87	C2
C88	C2
C93	C2
C99	*F6
C100	*F6
C102	*E4
C103	*E5
C105	*E5
C106	*D3
C107	D3
C109	E3
C111	A5
C112	*E6
C113	*D6
C114	*D6
C115	*E6
C116	*D6
C117	*D3
C118	*D3
C123	*D5
C124	*B1
C132	*D2
C133	*D2
C135	*C2
C136	*D2
C147	F6
C152	E6
C153	D3
C154	D3
C155	C3
C156	*E6
C157	*E6
C158	*E5
C159	F6
C160	*E5
C161	*A5
C162	*A5
C163	C3
C175	E2
C177	D2
C178	*C6
C180	*D6
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C221	*D4
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C229	*F5
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C264	*D5
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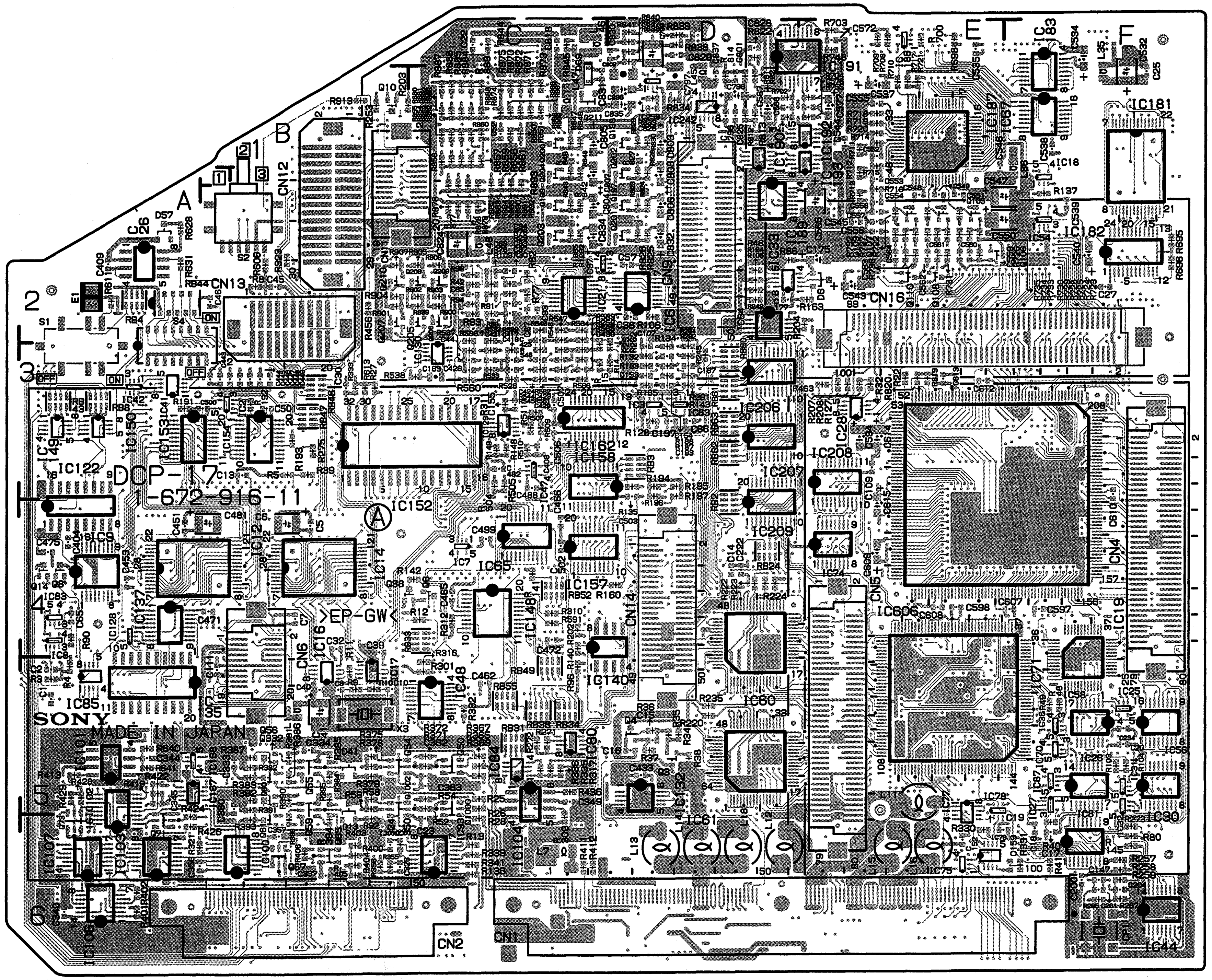
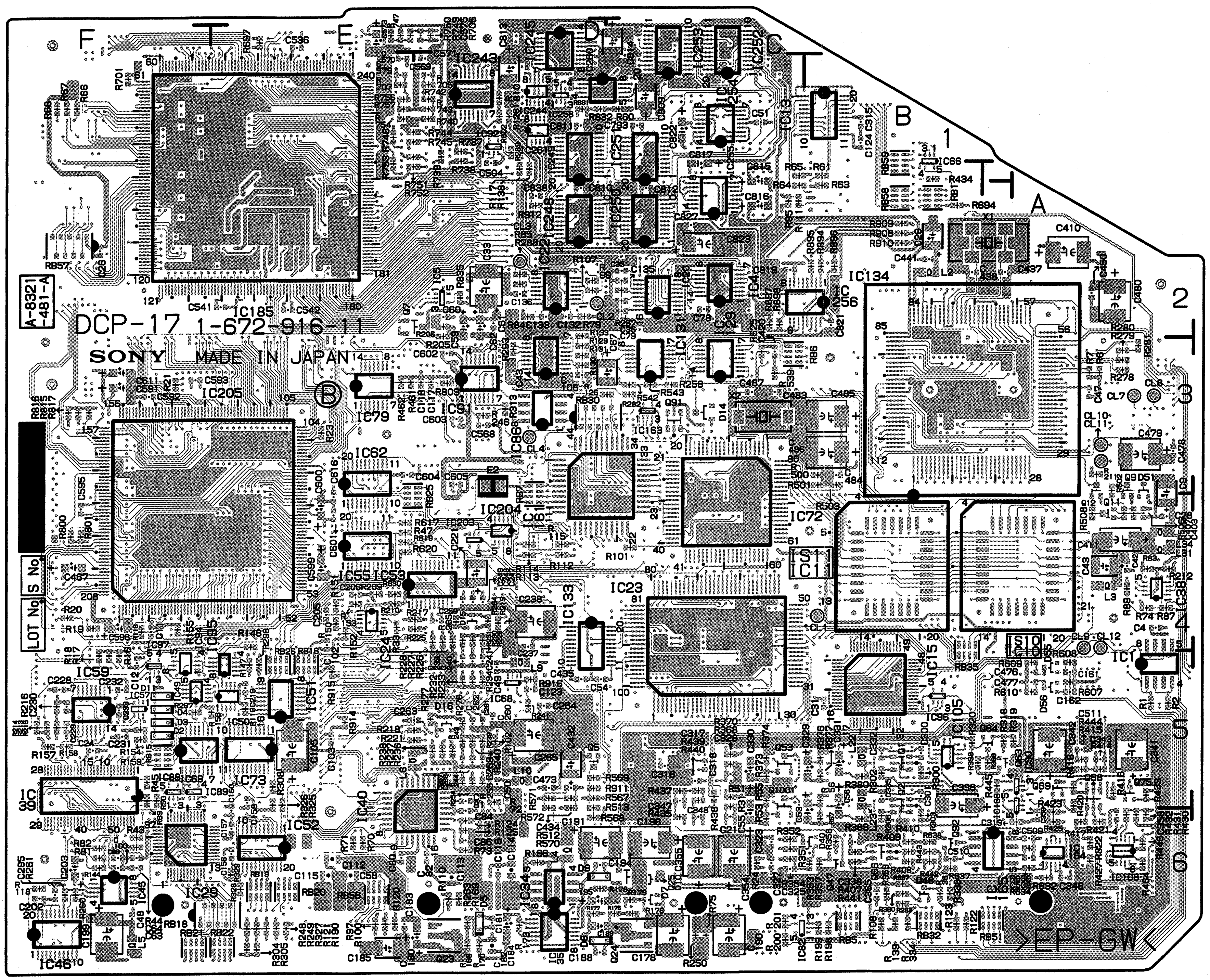
R824	D2
R825	D2
R826	D2
R827	D1
R828	D1
R829	D1
R830	D1
R831	*D1
R832	*D1
R833	D1
R834	D1
R835	*D2
R836	D1
R837	D1
R838	D1
R839	D1
R840	D1
R841	D1
R842	C2
R843	C2
R844	C1
R845	C1
R846	C1
R847	C1
R848	C1
R849	C1
R850	C1
R851	C1
R852	C1
R853	C1
R854	C1
R855	C1
R856	C1
R857	C1
R858	C1
R859	C1
R860	C1
R861	C1
R862	C2
R863	C2
R864	C2
R865	C2
R866	C1
R867	C1
R868	C1
R869	C1
R870	C1
R871	C1
R872	C1
R873	C1
R874	C1
R875	C1
R876	C2
R877	C2
R878	C2
R879	C2
R880	C1
R881	C1
R882	C1
R883	C1
R884	C1
R885	C1
R886	C1
R887	C1
R888	C1
R889	C1
R890	C2
R891	C2
R892	C2
R893	C2
R894	*B2
R895	*B2
R896	*B2
R897	*C2
R898	*C2
R899	C2
R900	C2
R901	B2
R902	C2
R903	C2
R904	B2
R905	C2
R906	C2
R907	B2
R908	*B2
R909	*B2
R910	*B2
R911	*D5
R912	*D2
R913	B1
R914	*E5
R915	*E5
R916	*D5
R1261	*D1
R1292	C2
R1365	C2
RB1	*B2
RB2	D4
RB3	D3
RB4	A2
RB5	*B6
RB6	*C3
RB7	*D3
RB8	A3
RB15	*F5
RB16	*E5
RB18	*E6
RB19	*E6
RB20	*E6
RB21	*F6
RB22	*E6
RB24	D4
RB25	*E3
RB26	*E5
RB30	*D3
RB31	C5
RB32	*B6
RB33	C4
RB34	C5
RB35	*B4
RB36	C5
RB43	A3
RB44	A2
RB46	B3
RB47	B3
RB49	C5
RB51	*A6
RB52	C4
RB55	C5
RB56	*E6
RB57	*F2
RB58	*B2
RB59	*B1
RB60	D3
RB61	D3
RB62	D3
RB63	D3
S1	A3
S2	B2
S4	A3
X1	*A2
X2	*C3
X3	B5

5-9 (a)


A
B
C
D
E
F
2
3
4
5
6
DCP-17
1-672-916-11
SONY
MADE IN JAPAN
EP-GW
CN1
CN2
CN4
CN12
CN13
CN14
CN16
IC152
IC60
IC61
IC606
IC181
IC182
IC44

Components locations list ; previous page

DCP-17 -A SIDE-
SUFFIX:-11

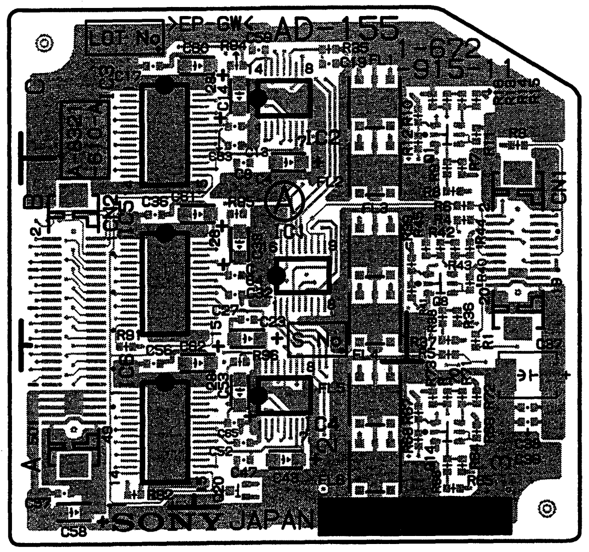


DCP-17 -B SIDE-
SUFFIX:-11

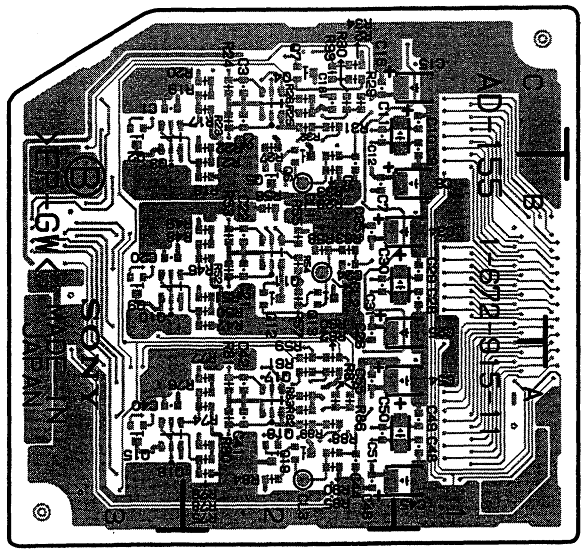
AD-155(1-672-915-11)
----

*:B SIDE

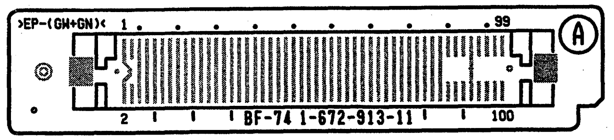
C1	*C3
C2	*C2
C3	*C2
C4	B2
C5	*B2
C6	*B1
C7	*B2
C8	B2
C9	*C1
C10	*C1
C11	*C1
C12	*C2
C13	C2
C14	C2
C15	*C1
C16	*C2
C17	C1
C18	*C2
C19	C2
C20	*B3
C21	*B2
C22	*B2
C23	B2
C24	*B2
C25	*B1
C26	*B2
C27	B2
C28	*B1
C29	*B1
C30	*B1
C31	*B2
C32	B2
C33	B2
C34	*B1
C35	*B2
C36	B1
C37	A3
C38	A3
C39	A3
C40	*A3
C41	*A2
C42	*A2
C43	A2
C44	*A2
C45	*A1
C46	*A2
C47	A2
C48	*A1
C49	*A1
C50	*A1
C51	*A2
C52	A2
C53	A2
C54	*A1
C55	*A2
C56	A1
C57	A1
C58	A1
C59	C2
C60	C2
C61	B2
C62	A2
C63	C2
C64	B2
C65	A2
CL1	*B2
CL2	*B2
CL3	*A2
CN1	B3
CN2	B1
FL1	C2
FL2	B2
FL3	B2
FL4	B2
FL5	A2
FL6	A2
IC1	B2
IC2	C2
IC3	C1
IC4	A2
IC5	B1
IC6	A1
Q1	C3
Q2	*C3
Q3	*C3
Q4	*C2
Q5	*B2
Q6	*C2
Q7	*C2
Q8	B3
Q9	*B3
Q10	*B3
Q11	*B2
Q12	*B2
Q13	*B2
Q14	A3
Q15	*A3
Q16	*A3
Q17	*A2
Q18	*A2
Q19	*A2
Q20	A2
R1	B3
R2	*C2
R3	C3
R4	B3
R5	A3
R6	B3
R7	B3
R8	B3
R9	B3
R10	C3
R11	C3
R12	C3
R13	C3
R14	C3
R15	C3
R16	C3
R17	*C2
R18	*B2
R19	*C2
R20	*C2
R21	*B2
R22	*C2
R23	*C2
R24	*C2
R25	*C2
R26	*C2
R27	*C2
R28	*B2
R29	*C2
R30	*C2
R31	*C2
R32	*C2
R33	*C2
R34	*C2
R35	C2
R36	B3
R37	B3
R38	B3
R39	B3
R40	B3
R41	B3
R42	B3
R43	B3
R44	B3
R45	B3
R46	*B2
R47	*B2
R48	*B2
R49	*B2
R50	*B2
R51	*B2
R52	*B2
R53	*B2
R54	*B2
R55	*B2
R56	*B2
R57	*B2
R58	*B2
R59	*A2
R60	*A2
R61	*A2
R62	*A2
R63	*B2
R64	A3
R65	A3
R66	A3
R67	A3
R68	A3
R69	A3
R70	A3
R71	A3
R72	A3
R73	A3
R74	*A2
R75	*A2
R76	*A2
R77	*A2
R78	*A2
R79	*A2
R80	*A2
R81	*A2
R82	*A2
R83	*A2
R84	*A2
R85	*A2
R86	*A2
R87	*A2
R88	*A2
R89	*A2
R90	*A2
R91	A1
R92	A1
R93	*C2
R94	C2
R95	B2
R96	A2


LOT No.
>EP-GW<
AD-155
1-672-915-11
SONY JAPAN
A
B
C
1
2
3
[redacted]

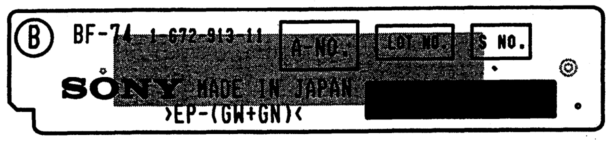
AD-155 -A SIDE-
SUFFIX:-11


AD-155
1-672-915-11
>EP-GW<
MADE IN JAPAN
A
B
C
1
2
3

AD-155 -B SIDE-
SUFFIX:-11


>EP-(GW+GN)<
1
99
A
2
BF-74 1-672-913-11
100

BF-74 -A SIDE-
SUFFIX:-11

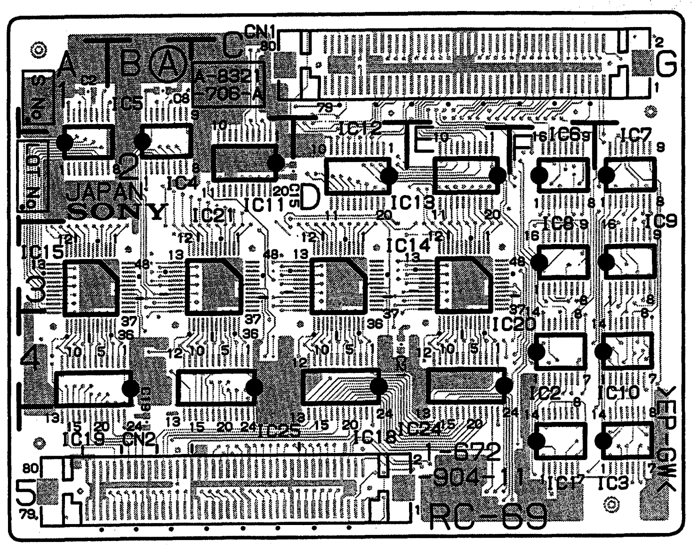

B
BF-74 1-672-913-11
A NO.
LOT NO.
S NO.
SONY
MADE IN JAPAN
>EP-(GW+GN)<
[redacted]

BF-74 -B SIDE-
SUFFIX:-11

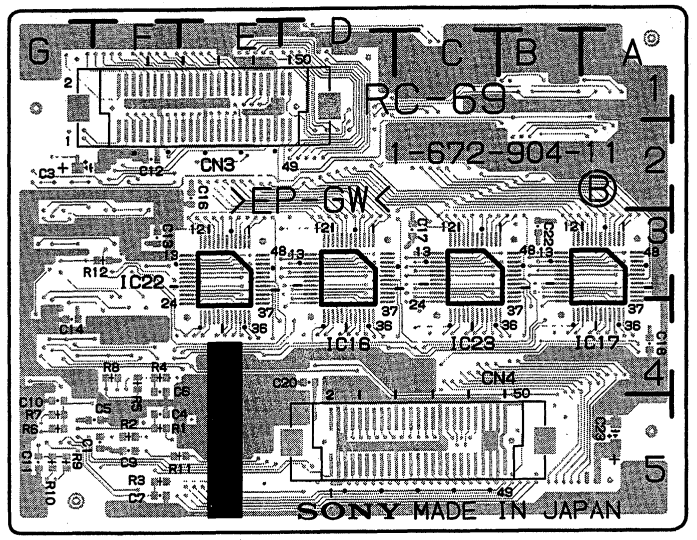
RC-69 (1-672-904-11)
----

*:B SIDE

C1	*F5
C2	A1
C3	*G2
C4	*F5
C5	*F5
C6	*F4
C7	*F5
C8	B1
C9	*F5
C10	*G5
C11	*G5
C12	*F2
C13	*F3
C14	*G4
C15	D2
C16	*E2
C17	*C3
C18	*A4
C19	B5
C20	*D4
C21	D4
C22	*B3
C23	*A5
CN1	E1
CN2	C5
CN3	*E1
CN4	*C5
IC1	F5
IC2	F4
IC3	G5
IC4	B2
IC5	A2
IC6	F2
IC7	G2
IC8	F3
IC9	G3
IC10	G4
IC11	C2
IC12	D2
IC13	E2
IC14	D3
IC15	A3
IC16	*D3
IC17	*A3
IC18	D4
IC19	B4
IC20	E3
IC21	C3
IC22	*E3
IC23	*C3
IC24	E4
IC25	C4
R1	*F5
R2	*F5
R3	*F5
R4	*F4
R5	*F4
R6	*G5
R7	*G5
R8	*F4
R9	*G5
R10	*G5
R11	*F5
R12	*F3


A
B
C
D
E
F
G
1
2
3
4
5
CN1
CN2
IC4
IC5
IC11
IC12
IC13
IC14
IC15
IC18
IC19
IC20
IC21
IC24
IC25
IC1
IC2
IC3
IC6
IC7
IC8
IC9
IC10
A-8321-706-A
LOT No
S No
JAPAN
SONY
1-672-904-11
RC-69
>EP-GW<

RC-69 -A SIDE-
SUFFIX:-11

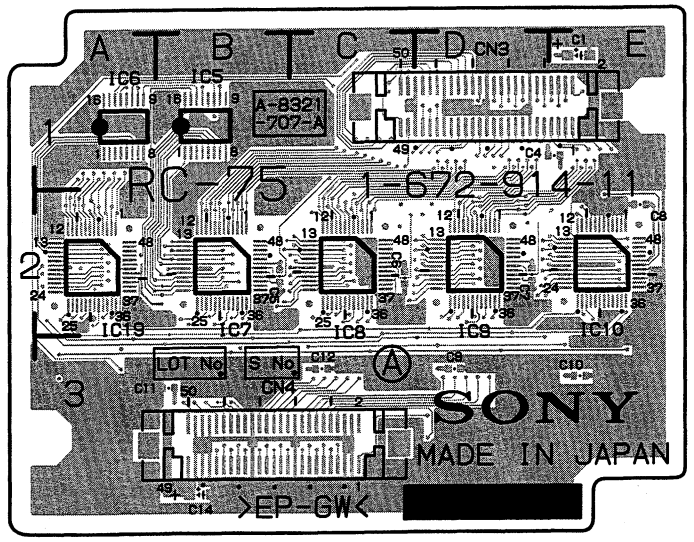

G
F
E
D
C
B
A
1
2
3
4
5
RC-69
1-672-904-11
>EP-GW<
CN3
CN4
IC16
IC17
IC22
IC23
SONY MADE IN JAPAN

RC-69 -B SIDE-
SUFFIX:-11

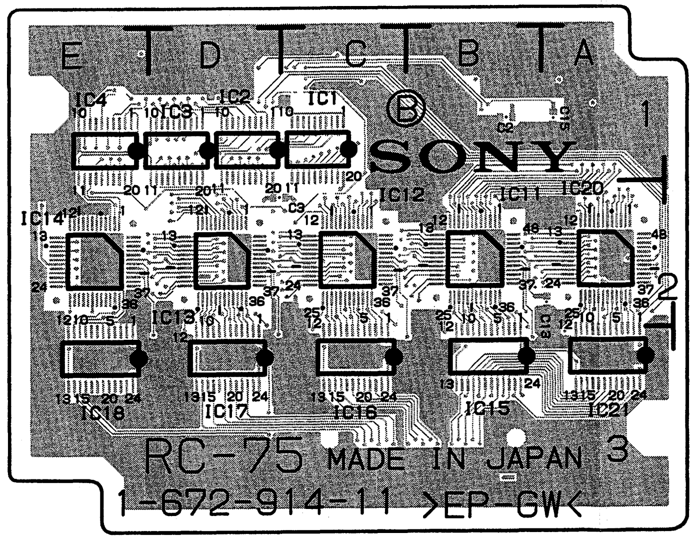
RC-75 (1-672-914-11)
----

*:B SIDE

C1	E1
C2	*B1
C3	*D2
C4	E1
C5	B2
C6	C2
C7	D2
C8	E2
C9	D3
C10	E3
C11	B3
C12	C3
C13	*A2
C14	B3
C15	*A1
CN3	D1
CN4	B3
IC1	*C1
IC2	*D1
IC3	*D1
IC4	*E1
IC5	B1
IC6	A1
IC7	B2
IC8	C2
IC9	D2
IC10	E2
IC11	*B2
IC12	*C2
IC13	*D2
IC14	*E2
IC15	*B3
IC16	*C3
IC17	*D3
IC18	*E3
IC19	A2
IC20	*A2
IC21	*A3


A
B
C
D
E
1
2
3
IC5
IC6
IC7
IC8
IC9
IC10
IC19
CN3
CN4
A-8321-707-A
RC-75
1-672-914-11
LOT No
S No
SONY
MADE IN JAPAN
>EP-GW<

RC-75 -A SIDE-
SUFFIX:-11


E
D
C
B
A
1
2
3
IC1
IC2
IC3
IC4
IC11
IC12
IC13
IC14
IC15
IC16
IC17
IC18
IC20
IC21
SONY
RC-75 MADE IN JAPAN
1-672-914-11 >EP-GW<

RC-75 -B SIDE-
SUFFIX:-11

ES-23 (1-672-917-11)

*:B SIDE

C1	*E4
C2	*E4
C3	G4
C4	G4
C5	*G4
C6	*F5
C7	*F4
C8	*E5
C9	*E5
C10	*E4
C11	*D4
C12	*D4
C13	*D4
C14	*C4
C15	*D4
C16	*D5
C17	*C4
C18	*C5
C19	*D5
C20	C4
C21	C4
C22	*B4
C23	*B4
C24	*B4
C25	*B4
C26	*B4
C27	B2
C28	*B3
C29	*B4
C30	B4
C31	B4
C32	A2
C33	*B3
C34	*A3
C35	B2
C36	F4
C37	*G4
C38	*F4
C39	*F4
C40	*F4
C41	*E4
C42	*E4
C43	F3
C44	*E4
C45	*D5
C46	*D5
C47	*B4
C48	*D4
C49	*C4
C50	*C4
C51	*D4
C52	*D4
C53	*C4
C54	B3
C55	*C4
C56	*C4
C57	A5
C58	*B4
C59	*B4
C60	*B5
C61	B5
C62	B4
C63	*B5
C64	A4
C65	*B5
C66	*A5
C67	*A4
C68	*A4
C69	*B4
C70	B4
C71	*B4
C72	*A4
C73	A3
C74	A3
C75	*A3
C76	*A4
C77	*B3
C78	G4
C79	G4
C80	*G3
C81	*G3
C82	*G3
C83	*G3
C84	F3
C85	F3
C86	*F3
C87	*F3
C88	*E3
C89	*D3
C90	E4
C91	D3
C92	*D3
C93	*D4
C94	D4
C95	D3
C96	D3
C97	*B3
C98	B3
C99	B3
C100	C4
C101	*C3
C102	*C3
C103	*C3
C104	C3
C105	*C3
C106	B3
C107	*B3
C108	*B2
C109	*B3
C110	*B3
C111	*G4
C112	*E3
C113	*G3
C114	*G3
C115	E3
C116	*G4
C117	F3
C118	F2
C119	*E3
C120	*E3
C121	E4
C122	D3
C123	*D3
C124	*D3
C125	D3
C126	D2
C127	D2
C128	*C3
C129	C3
C130	B3
C131	*B3
C132	*C3
C133	*B3
C134	A3
C135	B3
C136	A3
C137	*B3
C138	*A1
C139	A1
C140	*A1
C141	*A1
C142	*B1
C143	*A1
C144	*B1
C145	*B2
C146	*B1
C147	*B1
C148	*B1
C149	*B1
C150	*B2
C151	*B2
C152	*A2
C153	*B2
C154	B2
C155	B2
C156	*B2
C157	A2
C158	*B2
C159	A1
C160	*B2
C161	*C1
C162	C1
C163	D2
C164	*C1
C165	D1
C166	D2
C167	*C1
C168	*C1
C169	*D1
C170	*D1
C171	D1
C172	*D1
C173	*D1
C174	*D1
C175	D2
C176	*D2
C177	*C2
C178	*C2
C179	E2
C180	*E2
C181	E2
C182	E2
C183	*E2
C184	F2
C185	*E2
C186	*F2
C187	F2
C188	*E2
C189	*E2
C190	*F2
C191	F2
C192	*G1
C193	*G1
C194	*G2
C195	*E1
C196	B4
C197	*B4
C198	*D1
C199	*E2
C200	*F4
C201	*E2
C202	F5
C203	G4
CL1	*D3
CL2	*D3
CN1	*C3
CN2	*F3
CP2	G2
D1	*B3
D2	E4
D3	A3
D4	*A3
D5	*B1
D6	*B1
D7	*A2
D8	B2
D9	*B2
DL1	C4
DL2	D4
E1	C2
FL1	E5
FL2	E5
FL3	B4
FL4	B4
FL5	F4
FL6	E4
FL7	B5
FL8	A4
FL9	F3
FL10	E3
FL11	D4
FL12	B3
FL13	B3
FL14	E3
FL15	E3
FL16	D3
FL17	B3
FL18	A1
IC1	E4
IC2	*D4
IC3	*B3
IC4	G5
IC5	*F4
IC6	E3
IC7	*A5
IC8	*A4
IC9	B3
IC10	F3
IC11	E3
IC12	E3
IC13	C3
IC14	E3
IC15	E3
IC16	*B3
IC17	B1
IC18	B2
IC19	C2
IC20	D1
IC21	C1
IC22	D2
IC23	C2
IC24	C2
IC25	B2
IC26	*A2
IC27	A2
IC28	F1
IC29	E2
IC30	E2
IC31	E2
IC32	E2
IC33	F2
IC34	F2
IC35	*G2
IC36	*F2
IC37	E1
IC38	*E1
IC39	E1
IC40	*B4
IC41	*B3
IC42	E3
IC43	*F1
IC44	*F1
IC45	*F1
L1	B3
L2	B2
L3	*A2
L4	B3
L5	B3
L6	*D2
L7	D2
L8	F2
L9	B1
Q1	G4
Q2	G4
Q3	F4
Q4	F4
Q5	*F4
Q6	F5
Q7	*E4
Q8	*E4
Q9	E4
Q10	D4
Q11	*D5
Q12	*C4
Q13	*C4
Q14	*C4
Q15	*B4
Q16	*B4
Q17	*B4
Q18	*B4
Q19	*A4
Q20	*A3
Q21	*A3
Q22	D4
Q23	F5
Q24	G5
Q25	F4
Q26	*E4
Q27	*E3
Q28	E5
Q29	D5
Q30	*D4
Q31	*C5
Q32	*C5
Q33	*C5
Q34	*B4
Q35	*B5
Q36	*A5
Q37	*B4
Q38	A3
Q39	A4
Q40	*F4
Q41	G4
Q42	G4
Q43	F3
Q44	G3
Q45	F3
Q46	*F3
Q47	*E4
Q48	E4
Q49	*E3
Q50	*D4
Q51	D3
Q52	*D4
Q53	*D4
Q54	D3
Q55	*C3
Q56	*C3
Q57	C3
Q58	*C3
Q59	*B3
Q60	*B3
Q61	G3
Q62	G3
Q63	F3
Q64	*E3
Q65	*E4
Q66	*E4
Q67	*E3
Q68	*D3
Q69	D3
Q70	*D3
Q71	*D3
Q72	D3
Q73	*B3
Q74	B2
Q75	A3
Q76	*A1
Q77	B1
Q78	B1
Q79	B1
Q80	B1
Q81	B2
Q82	*D1
Q83	D2
Q84	D2
Q85	*D2
Q86	B2
Q87	*E2
R1	F4
R2	F4
R3	G4
R4	G4
R5	*G4
R6	F4
R7	G4
R8	*G4
R9	*F4
R10	*F4
R11	*F4
R12	*F4
R13	*F4
R14	*F4
R15	F4
R16	F5
R17	F5
R18	*F5
R19	*F5
R20	*F4
R21	*F4
R22	*E4
R23	*E4
R24	*E4
R25	*E5
R26	*E5
R27	*E5
R28	E4
R29	*E4
R30	*D4
R31	*D4
R32	*D4
R33	E4
R34	*E4
R35	D4
R36	D4
R37	E4
R38	*D4
R39	*D5
R40	*C4
R41	*D5
R42	*D5
R43	*C5
R44	*D5
R45	*D4
R46	*C4
R47	*C4
R48	*C4
R49	*C4
R50	*C4
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R54	*C4
R55	*B4
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R57	*B4
R58	*B4
R59	B4
R60	*B4
R61	*B4
R62	*B4
R63	*B4
R64	*B4
R65	*B4
R66	*B3
R67	*B4
R68	*B4
R69	*B4
R70	A4
R71	*B3
R72	*A4
R73	*B4
R74	*B4
R75	*B4
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R77	*A4
R78	*A4
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R82	*A3
R83	A3
R84	A3
R85	*A3
R86	*A3
R87	A3
R88	*A3
R89	*D4
R90	*E4
R91	*E4
R92	*C3
R93	*C3
R94	F5
R95	F3
R96	F3
R97	F3
R98	F4
R99	F4
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R101	*F4
R102	*F4
R103	*F4
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R105	*E4
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R111	*E4
R112	*E4
R113	*F3
R114	*D4
R115	*E4
R116	*D5
R117	*D4
R118	E5
R119	E5
R120	*E5
R121	D5
R122	D5
R123	*C4
R124	*D4
R125	*D4
R126	D4
R127	*C4
R128	*C4
R129	*C4
R130	*C4
R131	*C4
R132	*C5
R133	*C5
R134	*C4
R135	*C4
R136	*C4
R137	*C5
R138	*B5
R139	*C5
R140	*C4
R141	*C4
R142	*C5
R143	*B4
R144	*B4
R145	*B4
R146	*B5
R147	*B5
R148	*B5
R149	*B5
R150	*B4
R151	*B5
R152	*C2
R153	*B5
R154	B4
R155	*B5
R156	*A5
R157	*A5
R158	*B5
R159	*A5
R160	*A4
R161	*A4
R162	*B4
R163	*B4
R164	*A4
R165	*B4
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R170	*A3
R171	A4
R172	*A4
R173	*A3
R174	*A3
R175	*A4
R176	*A4
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R178	*A4
R179	*A4
R180	A4
R181	*B3
R182	*F3
R183	C3
R184	C3
R185	C4
R186	C3
R187	F4
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R234	E3
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R241	*D3
R242	*D4
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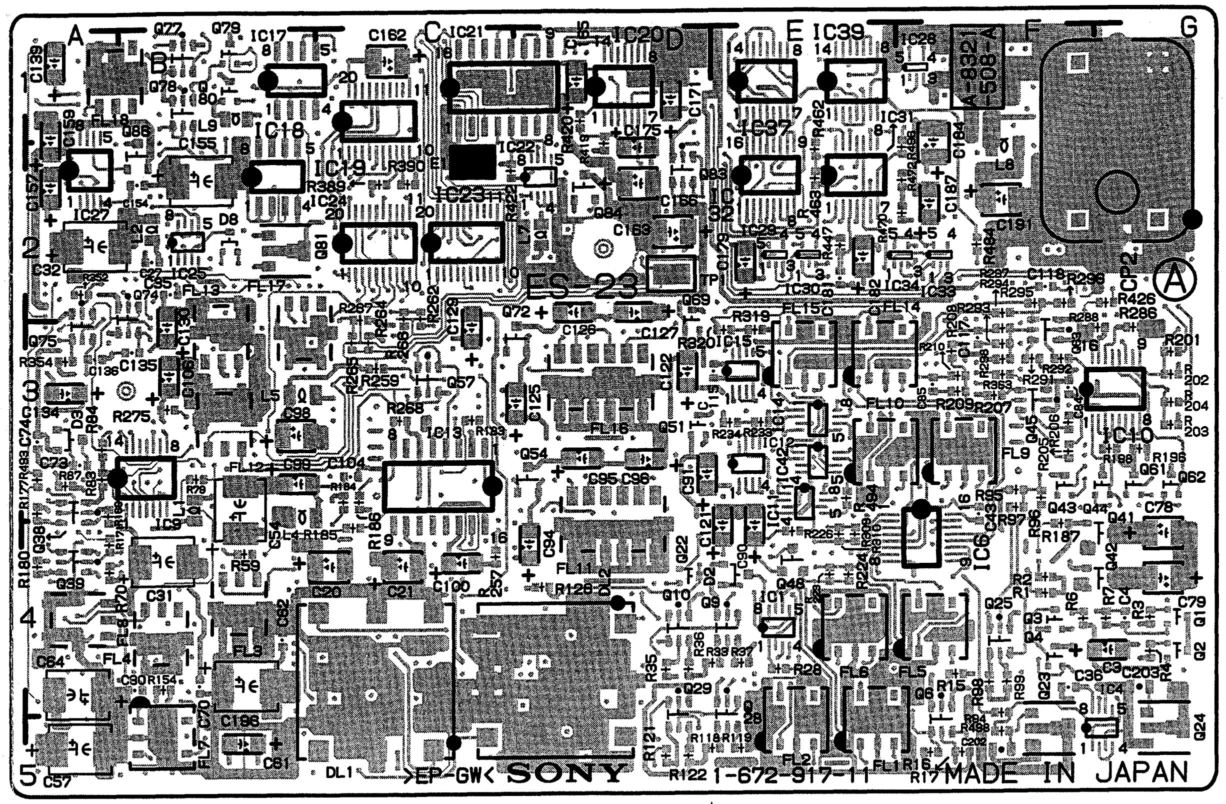
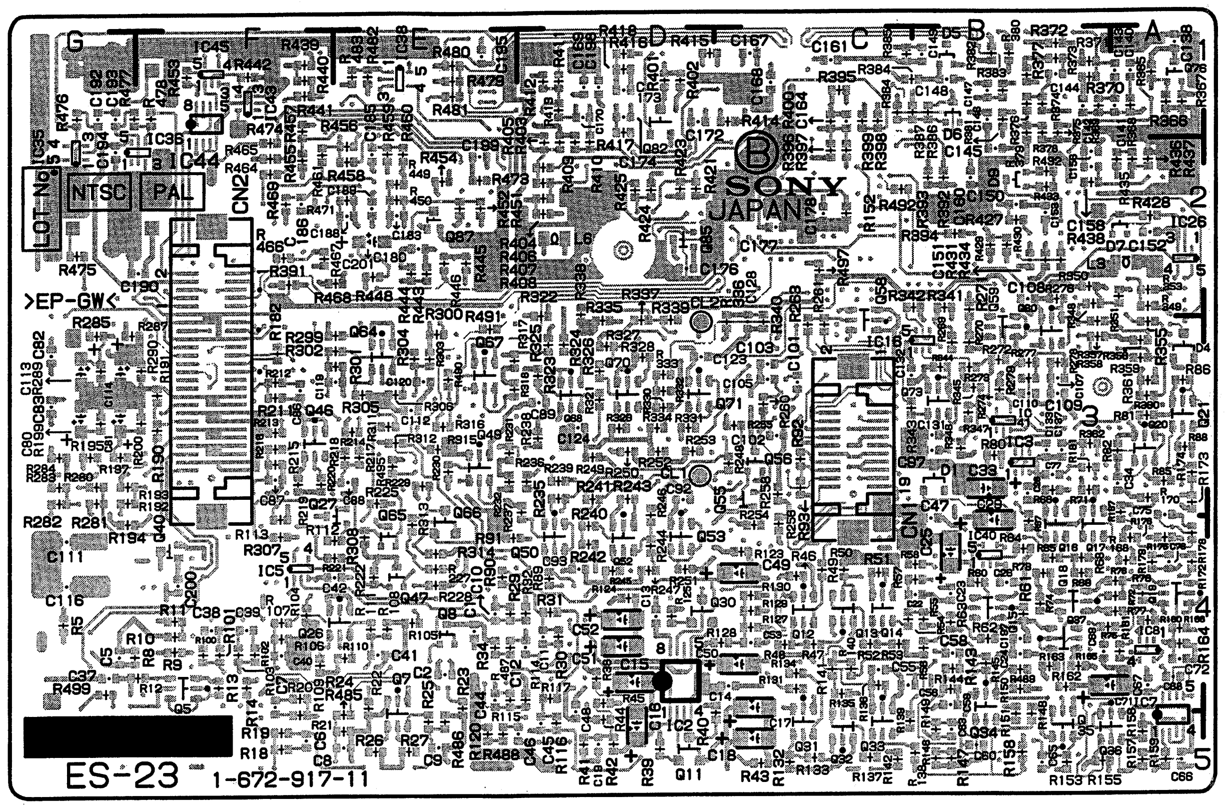
R248	*C3
R249	*D3



ES-23/23P -A SIDE-

SUFFIX:-11



ES-23/23P -A SIDE-

SUFFIX:-11

R250	*D3
R251	*D4
R252	*D3
R253	*D3
R254	*C4
R255	*C3
R256	*C4
R257	C4
R258	*C3
R259	C3
R260	*C3
R261	*C3
R262	C3
R263	*C3
R264	C3
R265	C3
R266	C3
R267	C3
R268	C3
R269	*B3
R270	*B3
R271	*B2
R272	*B3
R273	*B3
R274	*B3
R275	B3
R276	*B2
R277	*B3
R278	*B3
R279	*B3
R280	*G3
R281	*G3
R282	*G3
R283	*G3
R284	*G3
R285	*G3
R286	G3
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R288	G3
R289	*G3
R290	*F3
R291	F3
R292	F3
R293	F3
R294	F3
R295	F2
R296	F2
R297	F2
R298	F3
R299	*E3
R300	*E3
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R302	*E3
R303	*E3
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R305	*E3
R306	*E3
R307	*F4
R308	*E4
R309	E4
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R314	*E4
R315	*E3
R316	*E3
R317	*E3
R318	*E3
R319	E3
R320	E3
R321	*D3
R322	*D2
R323	*D3
R324	*D3
R325	*D3
R326	*D3
R327	*D3
R328	*D3
R329	*D3
R330	*D3
R331	*D3
R332	*D3
R333	*D3
R334	*D3
R335	*D3
R336	*C3
R337	*D3
R338	*D2
R339	*D3
R340	*C3
R341	*B2
R342	*B2
R343	*C3
R344	*B3
R345	*B3
R346	*B3
R347	*B3
R348	*B2
R349	*A2
R350	*B2
R351	*A2
R352	A2
R353	*A2
R354	A3
R355	*A3
R356	*A3
R357	*B3
R358	*B3
R359	*A3
R360	*A3
R361	*A3
R362	*B3
R363	F3
R364	*C1
R365	*A1
R366	*A1
R367	*A1
R368	*A1
R369	*B1
R370	*B1
R371	*B1
R372	*B1
R373	*B1
R374	*B1
R375	*B1
R376	*B1
R377	*B1
R378	*B1
R379	*B1
R380	*B1
R381	*B1
R382	*B1
R383	*B1
R384	*C1
R385	*C1
R386	*B1
R387	*B1
R389	C2
R390	C2
R391	*F2
R392	*B2
R393	*B2
R394	*B2
R395	*C1
R396	*C2
R397	*C2
R398	*C1
R399	*C1
R400	*C1
R401	*D1
R402	*D1
R403	*D2
R404	*D2
R405	*D2
R406	*D2
R407	*D2
R408	*D2
R409	*D2
R410	*D2
R411	*D1
R412	*D1
R413	*D1
R414	*C1
R415	*D1
R416	*D1
R417	*D1
R418	*D1
R419	D2
R420	D1
R421	*D2
R422	C2
R423	*D2
R424	*D2
R425	*D2
R426	G2
R427	*B2
R428	*A2
R429	*B2
R430	*B2
R431	*B2
R432	*B2
R433	*B2
R434	*B2
R435	*A2
R436	*A2
R437	*A2
R438	*B2
R439	*F1
R440	*F1
R441	*F1
R442	*F1
R443	*E2
R444	*E2
R445	*E2
R446	*E2
R447	E2
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R449	*E2
R450	*E2
R451	*E2
R452	*E2
R453	*F1
R454	*E2
R455	*F2
R456	*E2
R457	*F1
R458	*E2
R459	*E2
R460	*E2
R461	*F2
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R467	*F2
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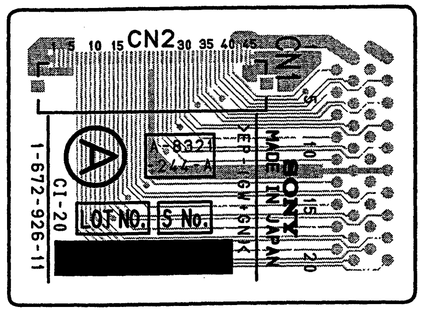
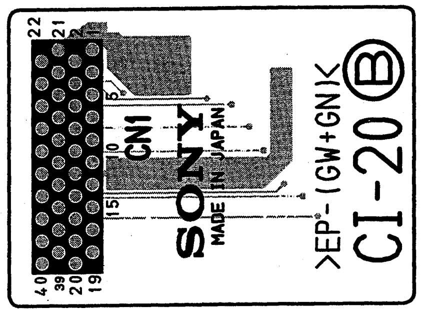
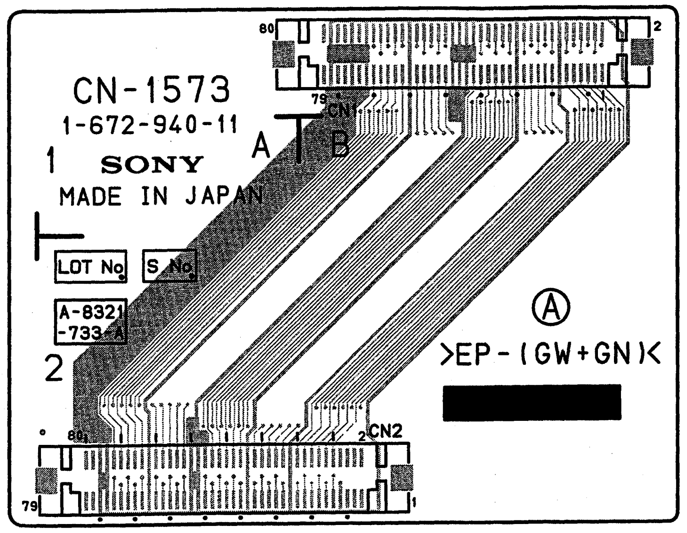
R470	F2
R471	*E2
R472	F2
R473	*E2
R474	*F2
R475	*G2
R476	*G1
R477	*G1
R478	*F1
R479	*E1
R480	*E1
R481	*E1
R482	*E1
R483	*E1
R484	F2
R485	*E5
R486	*E5
R487	*E4
R488	*E5
R489	*B4
R490	*E3
R491	*E3
R492	*C2
R493	A3
R494	E3
R495	*E3
R496	F2
R497	*C2
R498	F5
R499	*G4
TP1	D2


CN2
CN1
1-672-926-11
CI-20
A-8321 -242-A
LOT NO.
S No.
SONY
MADE IN JAPAN
>EP-(GW+GN)<

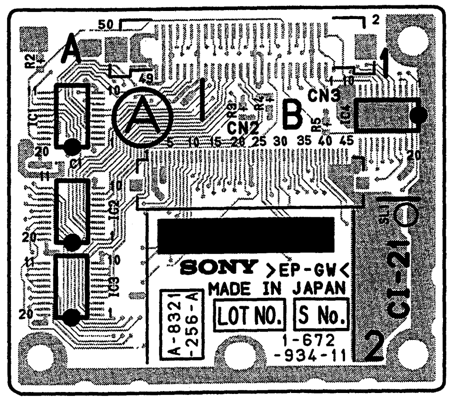
CI-20 -A SIDE-
SUFFIX:-11


CN1
SONY
MADE IN JAPAN
>EP-(GW+GN)<
CI-20

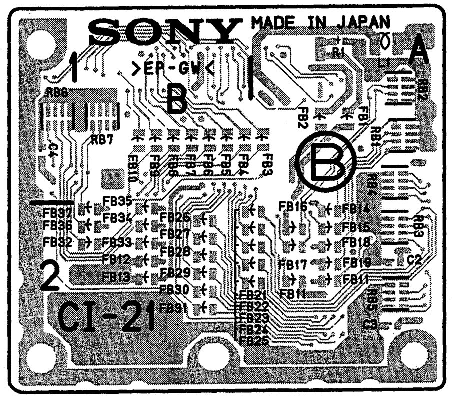
CI-20 -B SIDE-
SUFFIX:-11


CN-1573
1-672-940-11
1
SONY
MADE IN JAPAN
A
B
CN1
LOT No
S No
A-8321 -733-A
2
>EP-(GW+GN)<
CN2

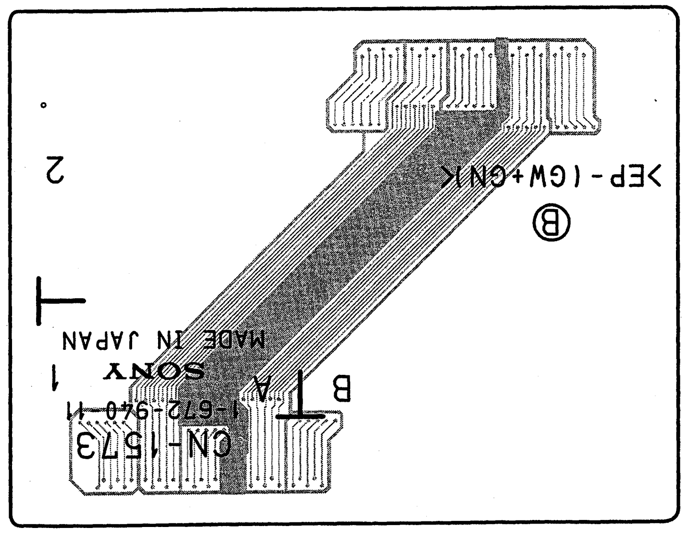
CN-1573 -A SIDE-
SUFFIX:-11


A
B
CN3
CN2
SONY >EP-GW<
MADE IN JAPAN
A-8321 -256-A
LOT NO.
S No.
1-672 -934-11
CI-21
1
2

CI-21 -A SIDE-
SUFFIX:-11


SONY
MADE IN JAPAN
>EP-GW<
A
B
1
2
CI-21

CI-21 -B SIDE-
SUFFIX:-11



CN-1573 -B SIDE-
SUFFIX:-11

CI-21 (1-672-934-11)

*:B SIDE

C1	A1
C2	*A2
C3	*A2
C4	*B1
CN2	B1
CN3	B1
FB1	*A1
FB2	*A1
FB3	*A1
FB4	*B1
FB5	*B1
FB6	*B1
FB7	*B1
FB8	*B1
FB9	*B1
FB10	*B1
FB11	*A2
FB12	*B2
FB13	*B2
FB14	*A2
FB15	*A2
FB16	*A2
FB17	*A2
FB18	*A2
FB19	*A2
FB20	*A2
FB21	*A2
FB22	*A2
FB23	*A2
FB24	*A2
FB25	*A2
FB26	*B2
FB27	*B2
FB28	*B2
FB29	*B2
FB30	*B2
FB31	*B2
FB32	*B2
FB33	*B2
FB34	*B2
FB35	*B2
FB36	*B2
FB37	*B2
IC1	A1
IC2	A2
IC3	A2
IC4	B1
L1	*A1
R1	*A1
R2	A1
R3	B1
R4	B1
R5	B1
RB1	*A1
RB2	*A1
RB3	*A2
RB4	*A1
RB5	*A2
RB6	*B1
RB7	*B1
SL1	B2

DVP-17 (1-672-924-12)
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*:B SIDE

C1	*F9
C2	*G8
C3	*G8
C4	*G9
C5	*G8
C6	*G8
C7	*H8
C8	*H8
C9	*D8
C10	*D8
C11	*K2
C20	*K3
C21	G1
C22	*K3
C23	*K3
C24	J5
C25	*J5
C26	J5
C27	G1
C28	H2
C29	F2
C30	F2
C31	H3
C32	J3
C33	H3
C34	J3
C35	K4
C36	*K4
C37	K4
C38	K4
C39	*J2
C40	*J2
C41	*K1
C42	*K2
C43	K2
C44	*J1
C45	H1
C46	*K4
C47	H4
C48	K3
C49	J4
C50	G4
C51	H4
C52	G2
C53	F2
C54	G2
C55	F2
C56	*B9
C150	*G9
C151	*F9
C152	*H9
C153	*H9
C154	*J8
C155	*J8
C156	*K6
C157	K6
C158	J7
C159	J7
C160	J5
C161	J5
C162	J6
C163	J6
C164	J5
C165	J5
C166	J7
C167	*K7
C200	*F9
C201	E5
C202	*F9
C203	E8
C204	D8
C205	D8
C206	E8
C207	F8
C208	F8
C209	H8
C210	F8
C211	D8
C212	B8
C213	H8
C214	F8
C215	D8
C216	B8
C217	E8
C218	*E5
C219	*D5
C220	*F8
C221	E8
C222	*A5
C223	*G5
C224	C8
C225	H7
C226	*C8
C227	F7
C228	*F5
C229	*G5
C230	*H7
C231	*F7
C232	*A5
C233	*H7
C234	*H7
C235	*H7
C236	*F7
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C242	*F7
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C303	F6
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C320	E7
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C322	E7
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C326	*G7
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C329	*E5
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C361	*B5
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C398	*C7
C399	*A7
C400	*A8
C401	*C8
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C403	*C7
C404	D5
C405	D5
C406	D6
C407	D5
C408	*A6
C409	C6
C410	C6
C411	*C6
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C413	*A7
C414	*C7
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C417	*A8
C418	*C7
C419	*A7
C420	C7
C421	*E9
C422	*C6
C423	C6
C424	*D5
C425	B6
C426	*B7
C427	*B7
C428	*D6
C429	*A6
C430	*A6
C431	*A6
C432	B6
C433	B6
C434	B6
C435	*B6
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C438	D6
C439	A6
C440	C6
C441	A6
C442	D6
C443	A6
C444	C6
C445	B6
C446	A5
C447	A5
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C449	A5
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C460	*A7
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C462	*A7
C463	*A7
C464	*A7
C465	*A7
C466	A7
C467	*D6
C468	*D6
C469	B5
C470	*C5
C471	*A6
C472	*D6
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FL201	F7
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IC35	*K1
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IC40	H1
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IC506	D4
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IC508	B3
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IC511	A3
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IC515	A8
IC516	A8
IC517	F1
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IC601	*E4
IC602	*D3
IC603	*E3
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L2	G8
L3	H8
L4	D8
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L21	*J5
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L202	C8
L203	A8
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R54	*C9
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R535	D1
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R711	F6
R712	F6
R713	E6
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R809	A6
R810	A6
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R813	D7
R814	B7
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RB20	H2
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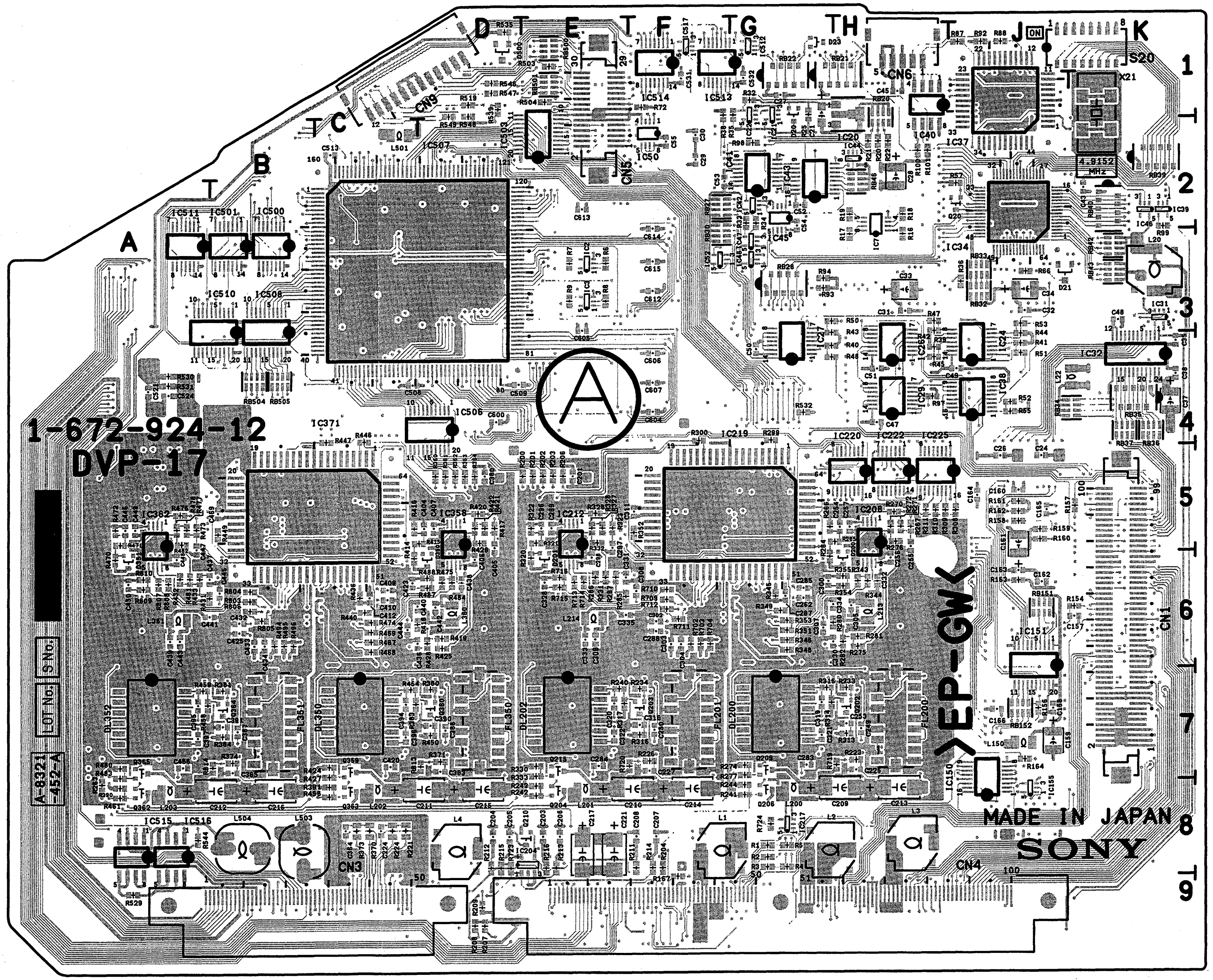
1-672-924-12
DVP-17
EP-GW
MADE IN JAPAN
SONY
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K
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LOT No.
S No.

Components locations list ; previous page

DVP-17 -A SIDE-
SUFFIX:-12

DVP-17 (1-672-924-11)

*:B SIDE

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C2	*G8	C226	*C8	C316	F7	C430	*A6	C604	F4	IC152	*J5	L205	*F8	R64	*G3
C3	*G8	C227	F7	C317	*G7	C431	*A6	C605	E3	IC153	*J7	L206	*D8	R65	*K1
C4	*G9	C228	*F5	C318	*E7	C432	B6	C606	F4	IC154	*J7	L207	*B8	R66	J3
C5	*G8	C229	*G5	C319	G7	C433	B6	C607	F4	IC155	J8	L208	*E8	R67	*K3
C6	*G8	C230	*H7	C320	E7	C434	B6	C608	*D3	IC200	*F9	L209	*E5	R68	*J2
C7	*H8	C231	*F7	C321	G7	C435	*B6	C609	*D2	IC201	*F9	L210	*D5	R69	*K2
C8	*H8	C232	*A5	C322	E7	C436	C6	C610	*D2	IC202	*E5	L211	*F8	R70	*J2
C9	*D8	C233	*H7	C323	*G7	C437	A6	C611	*D3	IC203	*D9	L212	*E8	R71	*G1
C10	*D8	C234	*H7	C324	*E7	C438	D6	C612	F3	IC204	E8	L213	H6	R72	F1
C11	*K2	C235	*H7	C325	*E7	C439	A6	C613	E2	IC205	*D8	L214	E6	R74	*K2
C20	*K3	C236	*F7	C326	*G7	C440	C6	C614	F2	IC206	*E8	L360	D6	R75	*K2
C21	G1	C237	*H7	C327	*F6	C441	A6	C615	F3	IC207	*F8	L361	A6	R76	*K2
C22	*K3	C238	*F7	C328	E6	C442	D6			IC208	H5	L500	*B4	R77	*K2
C23	*K3	C239	*H7	C329	*E5	C443	A6	CL600	*C4	IC209	*G6	L501	C2	R78	*K2
C24	J5	C240	*H7	C330	G6	C444	C6			IC210	*A5	L503	B8	R79	*K2
C25	*J5	C241	*F7	C331	E6	C445	B6	CN1	K6	IC211	*F5	L504	B8	R80	*K2
C26	J5	C242	*F7	C332	H6	C446	A5	CN2	*F5	IC212	E5			R81	*K2
C27	G1	C243	*G7	C333	E6	C447	A5	CN3	B9	IC213	*F6	Q20	J2	R82	*J2
C28	H2	C244	*E7	C334	G6	C448	A6	CN4	G9	IC214	*E7	Q200	*E9	R83	*J1
C29	F2	C245	*H7	C335	E6	C449	A5	CN5	E1	IC215	*H6	Q201	*E9	R84	*J1
C30	F2	C246	*F7	C360	D5	C450	A6	CN6	H1	IC216	*E6	Q202	H7	R85	*J1
C31	H3	C247	*G7	C361	*B5	C451	*A5	CN7	*J8	IC217	G8	Q203	F7	R86	*J1
C32	J3	C248	*E7	C362	*C8	C455	*C7	CN8	*G4	IC219	F5	Q204	E8	R87	J1
C33	H3	C249	H7	C363	D7	C456	*C7	CN9	C1	IC220	H5	Q205	*H7	R88	J1
C34	J3	C250	F7	C364	C8	C457	*C7	CN10	*K5	IC221	*H5	Q206	G8	R89	*J2
C35	K4	C251	*G8	C365	B7	C458	*C7	CN22	*C5	IC222	H5	Q207	*A8	R90	*J2
C36	*K4	C252	*E8	C366	*B5	C459	*C7			IC223	*H5	Q208	*A7	R91	*J1
C37	K4	C253	H7	C367	*B5	C460	*A7	CP500	*D2	IC224	*H5	Q209	G7	R92	J1
C38	K4	C254	H5	C368	*D7	C461	*A7	CP501	*D1	IC225	H5	Q210	E8	R93	G3
C39	*J2	C255	H5	C369	*B7	C462	*A7			IC226	*H5	Q211	*F7	R94	G3
C40	*J2	C256	H6	C370	*D7	C463	*A7	D20	G1	IC227	*H5	Q215	E7	R95	*K2
C41	*K1	C257	H5	C371	*B7	C464	*A7	D21	J3	IC228	*A5	Q355	*D7	R96	*J3
C42	*K2	C258	*G8	C372	*D7	C465	*A7	D22	*J2	IC229	*G5	Q359	C7	R97	H4
C43	K2	C259	*G7	C373	*B7	C466	A7	D23	G1	IC230	*G7	Q360	D7	R98	G2
C44	*J1	C260	*H6	C374	*D7	C467	*D6	D24	*K2	IC231	*G5	Q361	*B7	R99	K2
C45	H1	C261	*E6	C375	*B7	C468	*D6	D200	H6	IC358	D5	Q362	A8	R100	H2
C46	*K4	C262	G6	C376	*D7	C469	B5	D201	E6	IC360	*D5	Q363	C8	R101	H2
C47	H4	C263	*E8	C377	*D7	C470	*C5	D350	D6	IC361	*E9	Q364	B7	R102	*F9
C48	K3	C264	*G8	C378	*B7	C471	*A6	D351	A6	IC362	A5	Q365	A7	R103	*F9
C49	J4	C265	*G7	C379	*B7	C472	*D6	D500	D1	IC363	*B5	Q500	*A8	R150	*H9
C50	G4	C266	*G7	C380	*C7	C477	*C8			IC364	*C5	Q501	*A8	R151	*G9
C51	H4	C267	*E7	C381	*A7	C478	*D6	DL200	G7	IC365	*C7			R152	*H9
C52	G2	C268	*E7	C382	*D7	C479	*C7	DL202	E7	IC366	*A7	R1	G8	R153	*F9
C53	F2	C269	*G7	C383	*B7	C500	*D4	DL350	C7	IC367	*D6	R2	G8	R154	K6
C54	G2	C270	*E7	C384	*D7	C501	*E2	DL352	A7	IC368	*A6	R3	G8	R155	*K6
C55	F2	C271	*G7	C385	*D7	C502	*C2			IC369	*C6	R4	G8	R156	J7
C150	*G9	C272	*G7	C386	D7	C503	*C2	E150	*K7	IC370	*B6	R5	G8	R157	K5
C151	*F9	C273	*E7	C387	B7	C504	*B3	E500	*A3	IC371	B5	R20	H2	R158	J5
C152	*H9	C274	*E7	C388	*C8	C505	*C3			IC372	*B5	R21	H2	R159	J5
C153	*H9	C275	*G7	C389	*A8	C506	*C3	FL200	H7	IC500	B3	R22	H2	R160	J5
C154	*J8	C276	*F7	C390	D7	C507	*C4	FL201	F7	IC501	B3	R23	*C9	R161	J5
C155	*J8	C277	*F7	C391	B7	C508	C4	FL350	D7	IC502	*C3	R24	*C9	R162	J5
C156	*K6	C278	*E7	C392	*C7	C509	D4	FL351	B7	IC503	E2	R25	G1	R163	J6
C157	K6	C279	*G8	C393	*A7	C510	*E3			IC504	*C2	R26	*K7	R164	J7
C158	J7	C280	*E8	C394	C7	C511	*D2	IC1	*K2	IC505	*C2	R27	*K6	R165	*J8
C159	J7	C281	*G7	C395	A7	C512	*D2	IC20	H1	IC506	D4	R28	*K6	R166	*J8
C160	J5	C282	*E7	C396	C7	C513	C2	IC21	G1	IC507	C3	R29	*K6	R167	F9
C161	J5	C283	G7	C397	A7	C514	*B4	IC22	G1	IC508	B3	R30	*C9	R200	E5
C162	J6	C284	E7	C398	*C7	C515	*B4	IC23	*G2	IC509	*D1	R31	*B9	R201	E5
C163	J6	C285	G6	C399	*A7	C516	*D1	IC24	J4	IC510	B3	R32	G1	R202	E5
C164	J5	C286	*G6	C400	*A8	C517	*B4	IC25	*H4	IC511	A3	R33	G2	R203	E5
C165	J5	C287	G6	C401	*C8	C518	*C1	IC26	H4	IC512	G1	R34	G2	R204	F8
C166	J7	C288	F6	C402	*C7	C519	*C1	IC27	G4	IC513	F1	R35	G1	R205	*E9
C167	*K7	C289	*H6	C403	*C7	C520	*A3	IC28	*J4	IC514	F1	R36	J3	R206	E5
C200	*F9	C290	*H6	C404	D5	C521	A4	IC29	H4	IC515	A8	R38	F1	R207	D9
C201	E5	C291	*H6	C405	D5	C522	*C3	IC30	*K4	IC516	A8	R39	H4	R208	D9
C202	*F9	C292	*E6	C406	D6	C523	*A4	IC31	K3	IC517	F1	R40	G4	R209	D9
C203	E8	C293	*E6	C407	D5	C524	A4	IC32	K4	IC518	*D1	R41	J4	R210	*E9
C204	D8	C294	*E6	C408	*A6	C525	*A3	IC33	*K4	IC519	*E1	R42	H3	R211	F8
C205	D8	C295	*G6	C409	C6	C526	*B9	IC34	J2	IC520	*E2	R43	G4	R212	D8
C206	E8	C296	E5	C410	C6	C527	*G1	IC35	*K1	IC521	*A8	R44	J4	R213	E8
C207	F8	C297	E5	C411	*C6	C528	*B8	IC36	*K2	IC600	*D4	R45	H4	R214	F8
C208	F8	C298	E6	C412	C6	C529	*B8	IC37	J1	IC601	*E4	R46	*K5	R215	D8
C209	H8	C299	E5	C413	*A7	C530	*B3	IC38	J4	IC602	*D3	R47	H3	R216	E8
C210	F8	C300	G6	C414	*C7	C531	F1	IC39	K2	IC603	*E3	R48	G4	R217	*F4
C211	D8	C301	*H5	C415	*A7	C532	G1	IC40	H1			R49	*C9	R218	*F4
C212	B8	C302	F6	C416	*C8	C533	*B9	IC41	G2	L1	F8	R50	G3	R219	*F4
C213	H8	C303	F6	C417	*A8	C534	*B8	IC42	G2	L2	G8	R51	J4	R220	*F4
C214	F8	C304	F6	C418	*C7	C535	*A8	IC43	G2	L3	H8	R52	J4	R221	C8
C215	D8	C305	H6	C419	*A7	C536	*D1	IC44	H2	L4	D8	R53	J3	R222	*C8
C216	B8	C306	E6	C420	C7	C537	*D1	IC45	G2	L20	K3	R54	*C9	R223	H7
C217	E8	C307	G6	C421	*E9	C538	*E1	IC46	K2	L21	*J5	R55	J4	R224	C8
C218	*E5	C308	F6	C422	*C6	C539	*D1	IC47	G3	L22	K4	R56	*K5	R225	*C8
C219	*D5	C309	*H6	C423	C6	C540	*A8	IC48	G3	L23	*J2	R57	J2	R226	F7
C220	*F8	C310	*E6	C424	*D5	C541	*A8	IC49	*E1	L150	J7	R58	*K4	R227	*H7
C221	E8	C311	F5	C425	B6	C542	*A8	IC50	F2	L200	G8	R59	*K4	R228	*H7
C222	*A5	C312	*G5	C426	*B7	C600	D4	IC51	*H1	L201	E8	R60	*J3	R229	*F7
C223	*G5	C313	*H5	C427	*B7	C601	*D3	IC52	F3	L202	C8	R61	*J3	R230	*F7
C224	C8	C314	*F7	C428	*D6	C602	*D4	IC150	J7	L203	A8	R62	*J3	R231	*H7

R232	*F7	R322	E5	R412	*D6	R502	*B3	R813	D7
R233	H7	R323	E5	R413	*A8	R503	E1	R814	B7
R234	F7	R324	*H6	R414	C6	R504	E1	R815	*C6
R235	*H7	R325	*E8	R415	D5	R505	*B3	R816	*B6
R236	*H7	R326	E5	R416	C5	R506	*E1		
R237	*H7	R327	E5	R417	D5	R507	*D2	RB20	H2
R238	*H7	R328	E5	R418	C6	R508	*D2	RB21	H1
R239	*H7	R329	*E7	R419	D6	R509	*C3	RB22	G1
R240	E7	R330	E7	R420	D5	R510	*B2	RB23	*G1
R241	G8	R331	E6	R421	D5	R511	*B2	RB24	*H1
R242	E8	R332	E5	R422	D5	R512	*D2	RB25	*G1
R243	E8	R333	E7	R423	*C7	R513	*D2	RB26	*G1
R244	G8	R334	*G6	R424	C7	R514	*D2	RB27	F2
R245	*G7	R335	*G6	R425	D6	R515	*D2	RB28	G3
R246	*E7	R336	*G6	R426	D5	R516	*D2	RB29	*H1
R247	*H7	R337	*E6	R427	C7	R517	*D2	RB30	F3
R248	*G8	R338	*G6	R428	D6	R518	*A2	RB31	*J2
R249	*E8	R339	*G6	R429	*A6	R519	D1	RB32	J3
R250	*G8	R340	*G6	R430	*A6	R520	*B4	RB33	J3
R251	*G7	R341	*G6	R431	A6	R521	*A4	RB34	K4
R252	*E7	R342	*G6	R432	A6	R522	*B4	RB35	K4
R253	*G7	R343	H6	R433	A6	R523	*A4	RB36	K4
R254	*E7	R344	H6	R434	*D6	R524	*F1	RB37	K4
R255	*G7	R345	G6	R435	*D6	R525	*F1	RB38	*K4
R256	*E7	R346	G6	R436	C6	R526	*G1	RB39	K2
R257	*G7	R347	*E6	R437	*D6	R527	*A8	RB40	K2
R258	*E7	R348	G6	R438	*B6	R528	*A8	RB41	*J2
R259	*G8	R349	G6	R439	*C6	R529	A9	RB42	K3
R260	*E8	R350	*F6	R440	C6	R530	A4	RB43	K3
R261	*G8	R351	G6	R441	*B7	R531	A4	RB44	*K3
R262	*E8	R352	F5	R442	*B7	R532	G4	RB45	*K3
R263	A8	R353	G6	R443	*B7	R533	*C3	RB46	H2
R264	G6	R354	H6	R444	*B7	R534	*D1	RB47	*F1
R265	H5	R355	H6	R445	*B7	R535	D1	RB150	*J7
R266	G5	R356	*H5	R446	C4	R536	*E2	RB151	J6
R267	H5	R357	*H5	R447	C4	R537	*E2	RB152	J7
R268	*A7	R358	*E6	R448	*C5	R538	*B3	RB200	*F2
R269	*H6	R359	*E6	R449	B5	R539	D1	RB201	*E1
R270	H5	R360	D5	R450	D7	R540	*D1	RB300	*B2
R271	H5	R361	D5	R451	*D5	R541	*D2	RB500	E1
R272	H5	R362	D5	R452	*B7	R542	*E1	RB501	E1
R273	*G7	R363	D5	R453	*C6	R543	*A8	RB502	*C4
R274	G7	R364	D5	R454	C7	R544	A8	RB503	*C4
R275	H6	R365	*C4	R455	*C6	R545	*A8	RB504	B4
R276	H5	R366	*C4	R456	C8	R546	D1	RB505	B4
R277	G7	R367	*C4	R457	*C8	R547	D1	RB506	*B4
R278	*A7	R368	*C4	R458	A7	R548	D1	RB507	*B4
R279	*A7	R369	*C8	R459	A7	R549	D1	RB600	*E4
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R282	H6	R372	*C8	R462	*D6	R602	*E3	RB603	*F3
R283	*H6	R373	C8	R463	*C6	R603	*F2		
R284	*H6	R374	B7	R464	*C6	R700	*F6	S20	K1
R285	E6	R375	*D7	R465	*C6	R701	*F6		
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R287	E6	R377	*B7	R467	C6	R703	F6	TP21	*G3
R288	*E6	R378	*B7	R468	C6	R704	F6	TP22	*K3
R289	*E6	R379	*D7	R469	C6	R705	*F6	TP150	*J7
R290	*H6	R380	D7	R470	A6	R706	*F6	TP151	*K7
R291	*F7	R381	B7	R471	A5	R707	*F6	TP152	*H5
R292	*F7	R382	*B7	R472	A5	R708	*F6	TP200	*H7
R293	*F7	R383	C7	R473	A5	R709	F6	TP201	*G7
R294	*F7	R384	B7	R474	C6	R710	F6	TP202	*H6
R295	*F7	R385	*D7	R475	D6	R711	F6	TP203	*H5
R296	*H6	R386	*D7	R476	A5	R712	F6	TP300	*F7
R297	*G5	R387	*D7	R477	A5	R713	E6	TP301	*E7
R298	*E5	R388	*D7	R478	A5	R714	E6	TP302	*E6
R299	G4	R389	*D7	R479	*A7	R715	E6	TP303	*E5
R300	F4	R390	A8	R480	A7	R716	E6	TP400	*D7
R301	*G5	R391	C8	R481	A6	R717	*E5	TP401	*C7
R302	*F7	R392	*C7	R482	A5	R718	*E5	TP402	*D6
R303	*H5	R393	*A7	R483	A7	R719	H7	TP403	*D5
R304	*H5	R394	*A8	R484	D6	R720	F7	TP500	*B7
R305	*H5	R395	*C8	R485	*D5	R721	*G6	TP501	*A7
R306	*H5	R396	*A8	R486	*D5	R722	*F6	TP502	*A6
R307	*H5	R397	*D7	R487	D6	R723	D8	TP503	*A5
R308	J5	R398	*C7	R488	D6	R724	G8		
R309	H5	R399	*A7	R489	*A6	R800	*B6	X20	*F2
R310	H5	R400	*C7	R490	*B6	R801	*B6	X21	K1
R311	H5	R401	*A7	R491	*A5	R802	*B6		
R312	*H5	R402	*C7	R492	*A6	R803	B6		
R313	H7	R403	*A7	R493	*A6	R804	B6		
R314	G7	R404	*C7	R494	B6	R805	B6		
R315	G7	R405	*A7	R495	B6	R806	B6		
R316	F7	R406	*C8	R496	B6	R807	A6		
R317	E7	R407	*A8	R497	*B6	R808	A6		
R318	*E8	R408	*C8	R498	*B6	R809	A6		
R319	*G8	R409	*A8	R499	*B6	R810	A6		
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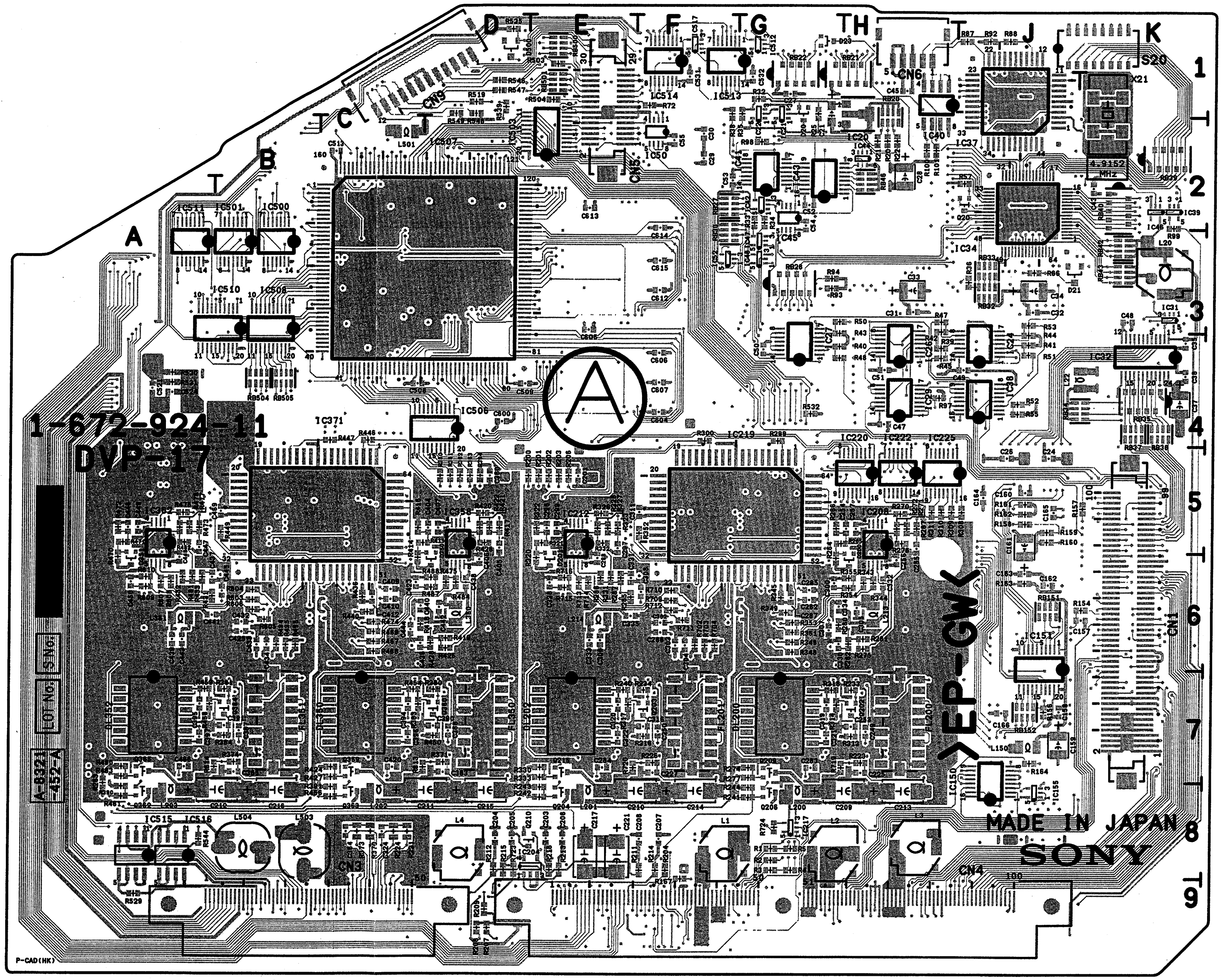
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K
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IC511
IC501
IC500
IC510
IC508
IC371
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IC220
IC222
IC225
IC219
IC515
IC516
IC34
IC37
IC32
IC31
IC39
IC151
IC150
CN1
CN3
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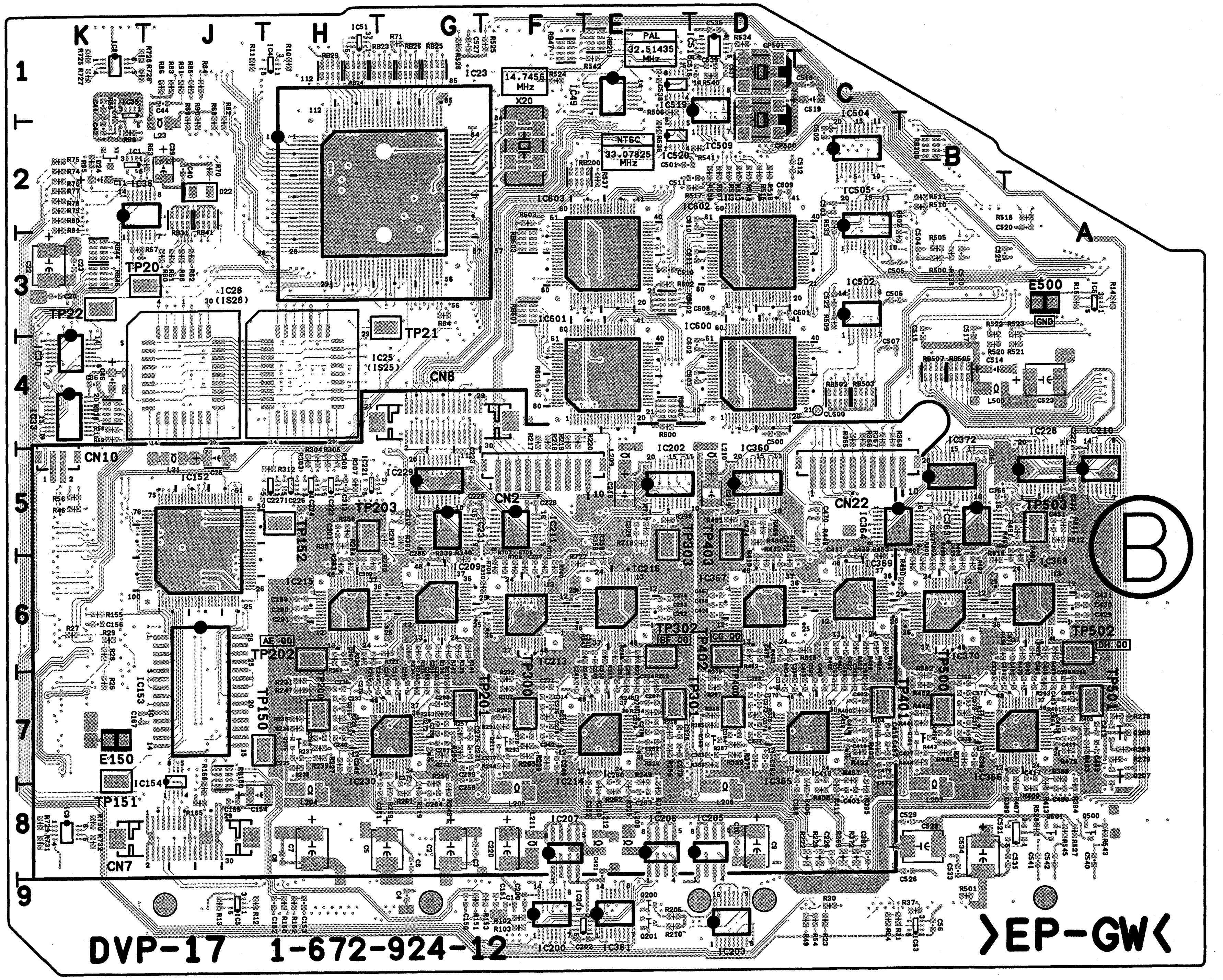
CN5
CN6
CN9
S20
X21
4.9152 MHz
L1
L2
L3
L4
L501
L504
A-8321
-452-A
LOT No.
S No.
>EP-GW<
MADE IN JAPAN
SONY
P-CAD(HK)

Components locations list ; previous page

DVP-17 -A SIDE-
SUFFIX:-11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PAL
32.51435 MHz
14.7456 MHz
NTSC
33.07825 MHz
X20
IC603
IC602
IC601
IC600
IC504
IC505
IC502
IC509
IC28 (IS28)
IC25 (IS25)
CN8
CN10
CN2
CN22
CN7
IC152
IC153
TP20
TP21
TP22
TP150
TP151
TP152
TP202
TP203
TP302
TP303
TP403
TP402
TP502
TP503
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E150
IC202
IC360
IC372
IC228
IC210
IC215
IC216
IC213
IC214
IC230
IC365
IC366
IC367
IC368
IC369
IC370
IC207
IC206
IC205
IC200
IC361
IC203
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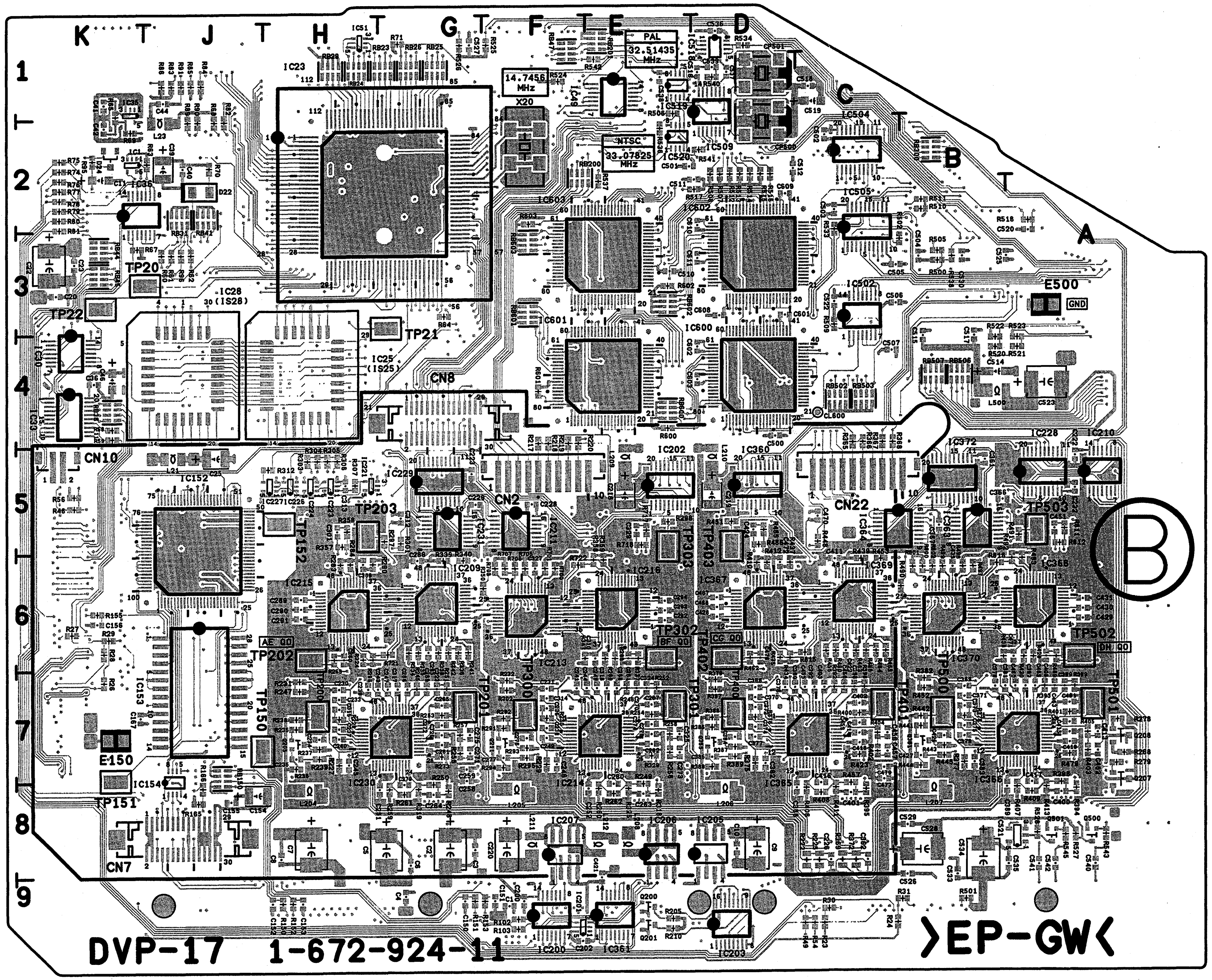
CG 00
DH 00
B
DVP-17 1-672-924-12
›EP-GW‹

DVP-17 -B SIDE-

SUFFIX:-12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PAL 32.51435 MHz
NTSC 33.07525 MHz
IC603
IC602
IC601
IC600
IC502
IC504
IC505
E500
GND
TP20
TP21
TP22
IC28 (IS28)
IC25 (IS25)
CN8
CN10
IC152
IC153
CN2
CN22
IC202
IC360
IC372
IC228
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TP300
E150
TP151
IC154
CN7
IC207
IC206
IC205
IC200
IC361
IC203
DVP-17 1-672-924-11
>EP-GW<
B

DVP-17 -B SIDE-
SUFFIX:-11

DVP-14 (1-672-925-11)
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*:B SIDE

C100	*K8
C101	J8
C102	*J8
C103	K9
C104	K9
C105	K8
C106	K9
C107	K9
C108	K9
C109	K8
C110	*H8
C111	J9
C112	*K8
C113	J9
C114	*K8
C115	J9
C116	J9
C117	*H8
C118	*H8
C119	*H8
C120	*J8
C121	*J7
C122	*J7
C123	*H7
C124	*H7
C125	*H7
C126	*J7
C127	*J7
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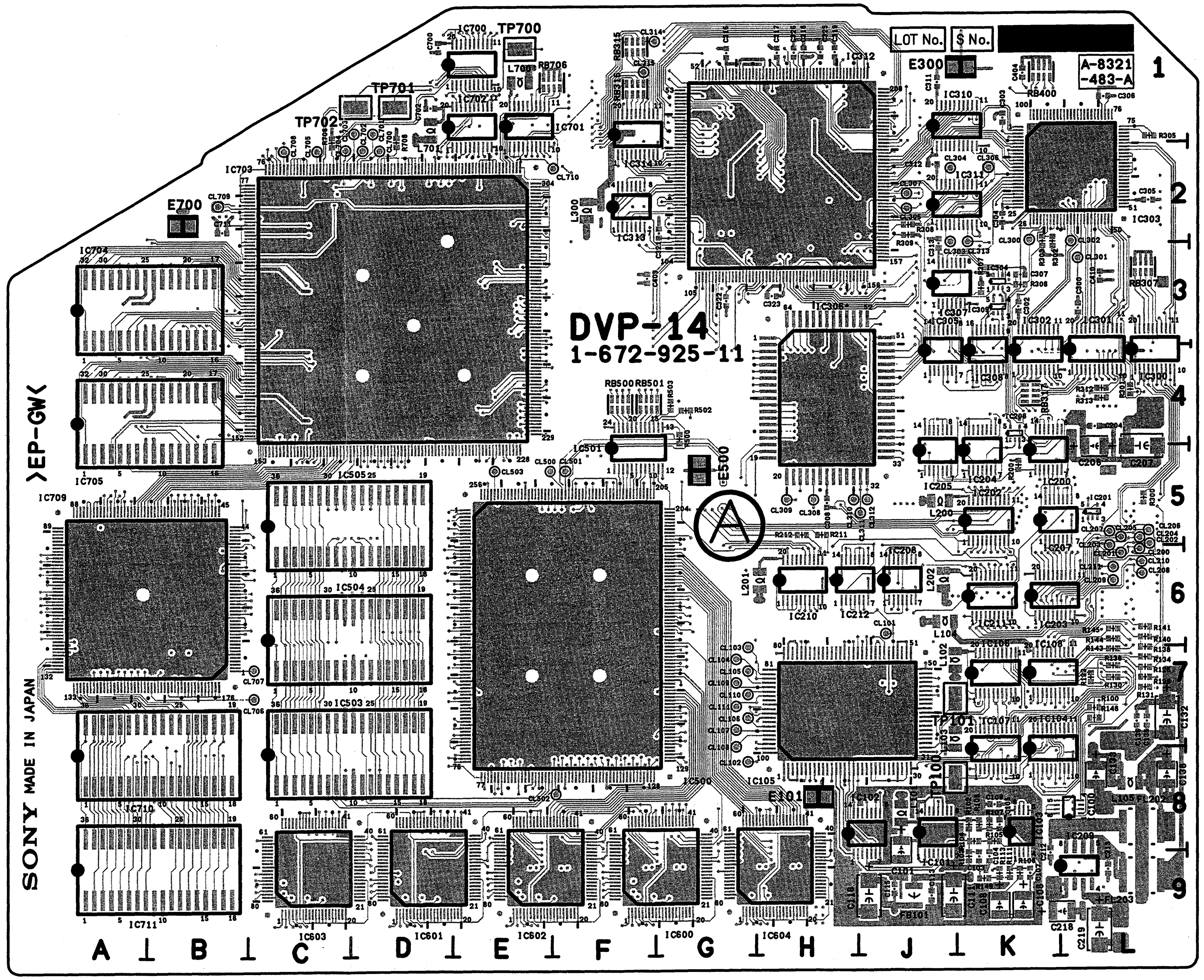
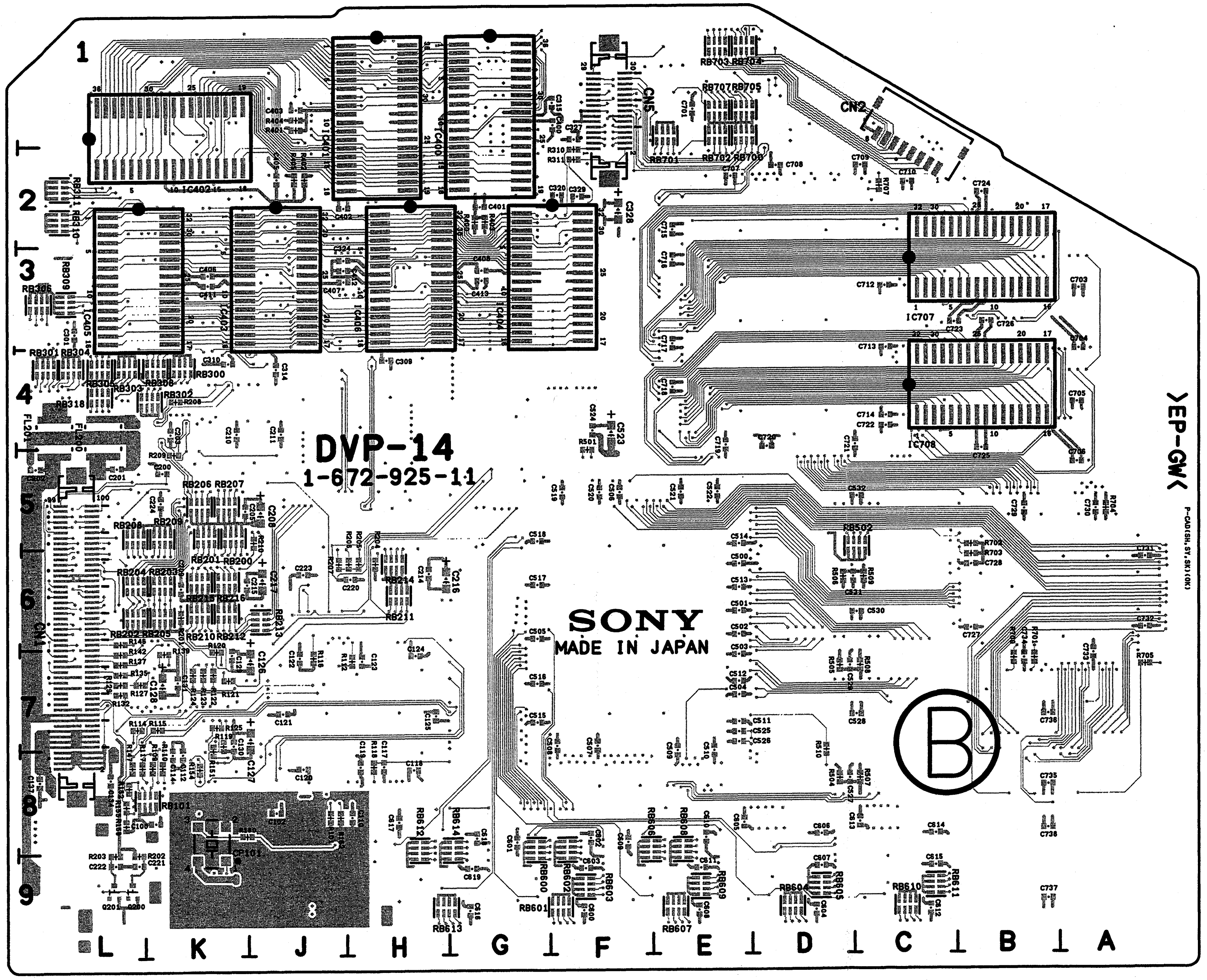
C133	L8
C134	*L8
C135	L7
C136	L7
C137	*L8
C138	L8
C200	*K5
C201	*L5
C202	*L5
C203	*K4
C204	L4
C205	*K5
C206	L5
C207	L5
C208	*J5
C209	*K6
C210	*K4
C211	*J4
C212	K9
C213	L9
C214	*H6
C215	*K6
C216	*H6
C217	*J6
C218	L9
C219	L9
C220	*H6
C221	*L9
C222	*L9
C223	*J6
C224	*K5
C300	L3
C301	*L3
C302	K3
C303	K1
C304	K2
C305	L2
C306	L1
C307	K3
C308	H5
C309	*H4
C310	*K4
C311	J1
C312	J2
C313	J3
C314	*J4
C315	*F1
C316	G1
C317	H1
C318	H1
C319	H1
C320	*F2
C321	G2
C322	G3
C323	H3
C324	*J3
C325	H1
C326	H1
C327	*F1
C328	*F2
C329	*F2
C400	*F1
C401	*G2
C402	*J2
C403	*J1
C404	K1
C405	*J2
C406	*K3
C407	*J3
C408	*G3
C409	F3
C410	L3
C411	*K3
C412	*J3
C413	*G3
C500	*E6
C501	*E6
C502	*E6
C503	*E7
C504	*E7
C505	*G6
C506	*F5
C507	*F7
C508	*F7
C509	*E8
C510	*E8
C511	*E7
C512	*E7
C513	*E6
C514	*E5
C515	*G7
C516	*G7
C517	*G6
C518	*G5
C519	*F5
C520	*F5
C521	*E5
C522	*E5
C523	*F4
C524	*F4
C525	*E7
C526	*E7
C527	*D8
C528	*C7
C529	*D7
C530	*C6
C531	*D6
C532	*C5
C600	*F9
C601	*G8
C602	*F8
C603	*F9
C604	*D9
C605	*E8
C606	*D8
C607	*D9
C608	*E9
C609	*F8
C610	*E8
C611	*E9
C612	*C9
C613	*C8
C614	*C8
C615	*C9
C616	*G9
C617	*H8
C618	*G8
C619	*G9
C700	D1
C701	*E1
C702	D1
C703	*A3
C704	*A4
C705	*A4
C706	*A5
C707	*E2
C708	*D2
C709	*C2
C710	*C2
C711	B2
C712	*C3
C713	*C4
C714	*C4
C715	*E2
C716	*E3
C717	*E3
C718	*E4
C719	*E5
C720	*D5
C721	*C5
C722	*C4
C723	*C3
C724	*B2
C725	*B5
C726	*B3
C727	*B6
C728	*B6
C729	*B5
C730	*A5
C731	*A6
C732	*A6
C733	*A7
C734	*B7
C735	*B8
C736	*B7
C737	*B9
C738	*B8
CL101	J6
CL102	G8
CL103	G7
CL104	G7
CL105	G7
CL106	G7
CL107	G7
CL108	G7
CL109	G7
CL110	G7
CL111	G7
CL200	L6
CL201	L6
CL202	L5
CL203	L6
CL204	L5
CL205	L5
CL206	L5
CL207	L5
CL208	L6
CL209	L6
CL210	L6
CL211	L6
CL300	K2
CL301	L3
CL302	L2
CL303	J2
CL304	J2
CL305	J2
CL306	K2
CL307	J2
CL308	H5
CL309	H5
CL310	H5
CL311	J5
CL312	J5
CL313	K2
CL314	F1
CL315	F1
CL500	E5
CL501	F5
CL502	F8
CL503	E5
CL700	D2
CL701	D1
CL702	D2
CL703	D1
CL704	C2
CL705	C2
CL706	C7
CL707	C7
CL708	C2
CL709	B2
CL710	F2
CN1	*L6
CN2	*C1
CN5	*F1
CP101	*K8
E101	H8
E300	K1
E500	G5
E700	B2
FB101	J9
FL200	*L4
FL201	*L4
FL202	L8
FL203	L9
IC100	L8
IC101	J8
IC102	J8
IC103	K8
IC104	K8
IC105	H7
IC106	K7
IC107	K8
IC108	K7
IC200	K5
IC201	L5
IC202	K5
IC203	K6
IC204	K5
IC205	J5
IC206	K4
IC207	K5
IC208	J6
IC209	L9
IC210	H6
IC211	K6
IC212	H6
IC300	L4
IC301	L4
IC302	K4
IC303	L2
IC304	K3
IC305	J4
IC306	H4
IC307	J3
IC308	K4
IC309	K3
IC310	J1
IC311	J2
IC312	H2
IC313	F2
IC314	F1
IC400	*G1
IC401	*H1
IC402	*K1
IC403	*J3
IC404	*F3
IC405	*L3
IC406	*H3
IC500	F6
IC501	F5
IC503	C8
IC504	C6
IC505	C5
IC600	G9
IC601	D9
IC602	E9
IC603	C9
IC604	H9
IC700	E1
IC701	E1
IC702	E1
IC703	D3
IC704	B3
IC705	B4
IC707	*B3
IC708	*B4
IC709	A6
IC710	B8
IC711	B9
L101	J8
L102	J7
L103	J7
L104	J6
L105	L8
L200	J5
L201	H6
L202	J6
L300	F2
L700	E1
L701	D1
Q200	*L9
Q201	*L9
R100	L7
R101	*J8
R102	K8
R103	K9



DVP-14 -A SIDE-
SUFFIX:-11



DVP-14 -B SIDE-
SUFFIX:-11

R104	K8
R105	K8
R106	K8
R107	K8
R108	K9
R109	*K8
R110	*K8
R111	K9
R112	*H7
R113	K9
R114	*L7
R115	*K7
R116	*J7
R117	*L8
R118	*H8
R119	*K7
R120	*K7
R121	*K7
R122	*K7
R123	*K7
R124	*K7
R125	*K7
R126	L7
R127	*L7
R128	L7
R129	*L7
R130	L7
R131	L7
R132	*L7
R133	L7
R134	L7
R135	*L7
R136	L7
R137	*L7
R138	L7
R139	*K7
R140	L6
R141	L6
R142	*L7
R143	L7
R144	L6
R145	L6
R146	*L6
R147	*L8
R148	L7
R149	K9
R150	*K8
R151	*K8
R152	*L8
R153	*J8
R154	*K8
R155	*L8
R156	*L8
R200	K5
R201	*K6
R202	*L9
R203	*L9
R204	*H6
R205	*H6
R206	*H6
R207	*J6
R208	*K4
R209	*K5
R210	*J5
R211	H5
R212	H5
R300	L5
R301	L4
R302	K2
R303	K2
R305	L1
R306	K3
R307	K3
R308	J2
R309	J2
R310	*F2
R311	*F2
R312	L4
R313	L4
R400	*G2
R401	*J1
R402	*J2
R403	*G2
R404	*J1
R405	*J2
R500	G4
R501	*F5
R502	G4
R503	G4
R504	*D8
R505	*D7
R506	*D6
R507	*C8
R508	*C7
R509	*C6
R510	*D8
R700	*B7
R701	*B7
R702	*B6
R703	*B6
R704	*A5
R705	*A7
R706	C1
R707	*C2
R708	D1
RB101	*K8
RB200	*K5
RB201	*K5
RB202	*L6
RB203	*K6
RB204	*L6
RB205	*K6
RB206	*K5
RB207	*K5
RB208	*L5
RB209	*K5
RB210	*K6
RB211	*H6
RB212	*K6
RB213	*J6
RB214	*H6
RB215	*K6
RB216	*K6
RB300	*K4
RB301	*L4
RB302	*K4
RB303	*L4
RB304	*L4
RB305	*L4
RB306	*L3
RB307	L3
RB308	*K4
RB309	*L3
RB310	*L2
RB311	*L2
RB315	F1
RB316	F1
RB317	K4
RB318	*L4
RB400	K1
RB500	F4
RB501	F4
RB502	*C6
RB600	*G8
RB601	*F9
RB602	*F8
RB603	*F9
RB604	*D9
RB605	*D9
RB606	*F8
RB607	*E9
RB608	*E8
RB609	*E9
RB610	*C9
RB611	*C9
RB612	*H8
RB613	*H9
RB614	*G8
RB700	*E1
RB701	*E1
RB702	*E1
RB703	*E1
RB704	*E1
RB705	*E1
RB706	E1
RB707	*E1
TP100	J8
TP101	J7
TP700	E1
TP701	D1
TP702	D1

SV-210 (1-672-939-11)

*:B SIDE

C1	J3
C2	K5
C3	L3
C4	*B3
C5	*A3
C6	B3
C7	A3
C8	*C3
C9	*C3
C10	*C3
C11	*C3
C12	*B3
C13	*B3
C14	*B3
C15	*B3
C16	C4
C17	B4
C18	*C3
C19	*B3
C20	*C3
C21	*B3
C22	B2
C23	B2
C24	*G5
C25	*G4
C26	B2
C27	A4
C28	B4
C29	*A1
C30	B4
C31	*B1
C32	*B1
C33	D1
C34	*L4
C35	*L4
C36	*K4
C37	*K3
C38	*J2
C39	C3
C40	*B2
C41	E3
C42	E2
C43	*M2
C44	*A2
C45	B2
C46	*L1
C47	K1
C48	E2
C49	*L1
C50	*K3
C51	*L5
C52	*K5
C53	*K4
C54	*K3
C55	F3
C56	G2
C57	*M3
C58	H3
C59	H2
C60	*L3
C61	K4
C62	*K3
C63	H2
C64	G1
C65	*G1
C66	J1
C67	*J1
C68	J2
C69	F2
C70	*D4
C71	B1
C72	*M2
C73	*M2
C74	*M4
C75	*M3
C80	*B4
C90	D3
C91	*B2
C92	*B2
C93	*A2
C95	D2
CL1	D2
CL2	D2
CN1	F5
CN2	C1
D1	*B3
D2	*A3
D3	*M1
D4	*M4
D5	D3
D6	*J1
IC1	*D3
IC2	*G3
IC3	*B4
IC4	B3
IC5	C3
IC6	C2
IC7	B1
IC8	*B1
IC9	*L4
IC10	*K2
IC11	B2
IC12	K2
IC13	*L5
IC14	J1
IC15	*G5
IC16	G1
IC20	E2
IC21	E3
IC22	C3
L1	L1
L2	L4
L3	L5
Q1	*L2
Q2	*L2
Q3	*L3
Q4	*K2
Q5	*L1
Q6	*M3
Q7	*M3
Q8	*J1
Q9	*J1
Q10	*K1
R1	B3
R2	A3
R3	C3
R4	C3
R5	B3
R6	B3
R7	*G5
R8	*B3
R9	*A3
R10	*B3
R11	*A3
R12	*C3
R13	*B3
R14	*C3
R15	*B3
R16	*B3
R17	*A3
R18	*C4
R19	*B4
R20	B3
R21	A2
R22	*G4
R23	*G4
R24	*B2
R25	*C2
R26	*B2
R27	*C2
R28	*C2
R29	*B2
R30	A3
R31	A4
R32	*B1
R33	*B1
R34	*C1
R35	*C1
R36	E3
R37	D1
R38	*L4
R39	*L4
R40	*L4
R41	*L4
R42	*J2
R43	*J2
R44	*L4
R45	*L4
R46	*J2
R47	*L4
R48	*J2
R49	*J2
R50	*L4
R51	*L2
R52	*B2
R53	*B2
R54	*L2
R55	*L1
R56	*K1
R57	*K1
R58	*K1
R59	*L2
R60	*K1
R61	*K1
R62	*J5
R63	*J5
R64	*J5
R65	*K4
R66	*K4
R67	*K4
R68	*K4
R69	*K4
R70	*K3
R71	*K5
R72	*K4
R73	*K4
R74	*K5
R75	*K4
R76	*K5
R77	*M3
R78	*M3
R79	G2
R80	*L4
R81	*L5
R82	*L4
R83	*M5
R84	*M4
R85	*K3
R86	*K3
R87	G1
R88	*H1
R89	*H1
R90	*J1
R91	*H1
R92	*J1
R93	*J1
R94	*J1
R95	*K1
R96	*K1
R97	*J1
R98	F2
R99	*H1
R100	*H1
R101	*J1
R102	*H1
R103	*H4
R104	G3
R105	G3
R106	*D4
R107	*D4
R108	D4
R109	*G4
R110	*H4
R111	*E5
R112	*E5
R113	*D5
R114	E2
R115	*F1
R116	H1
R120	D2
R121	*B2
R122	*B2
R123	*B1
R125	*F4
RB1	*C5
RB2	*C5
RB3	*B5
RB4	*C5
RB5	*C5
RB6	*C5
RB7	*B5
RB8	*C5
RB9	*G5
RB10	*H5
RB11	G4
RB12	*D5
RB13	*D5
RB14	*D5
RB15	*D5
RB16	*E5
RB17	E1
RB18	*E4
RB19	D1
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RB21	*F5
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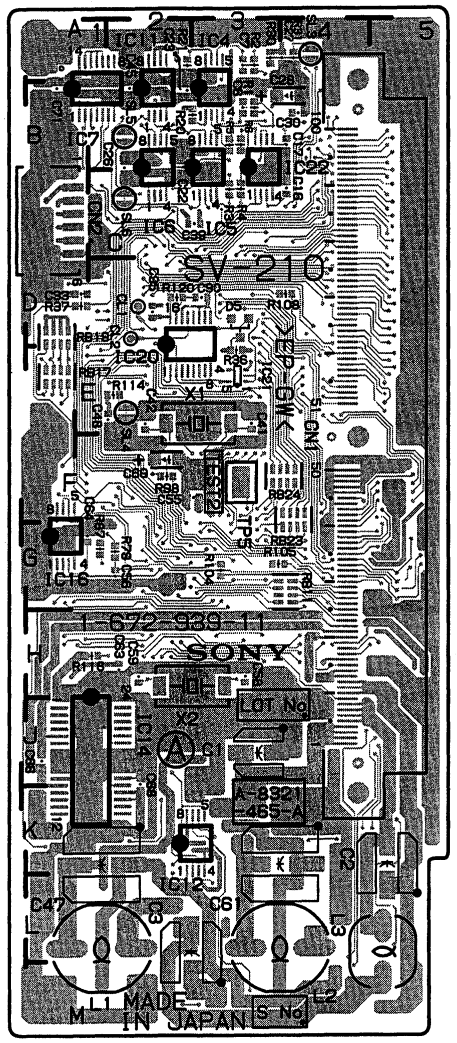
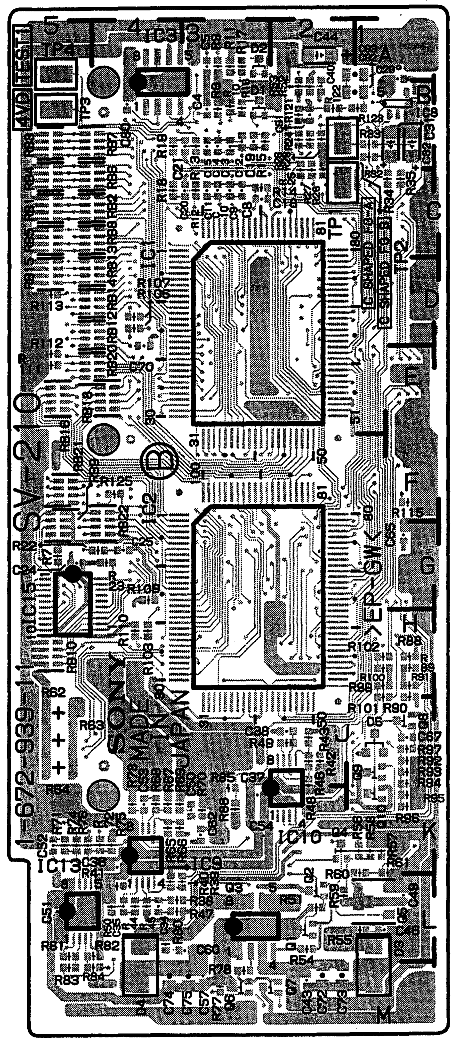
RB23	F4
RB24	F4
SL3	A4
SL4	E2



SV-210 -A SIDE-
SUFFIX:-11

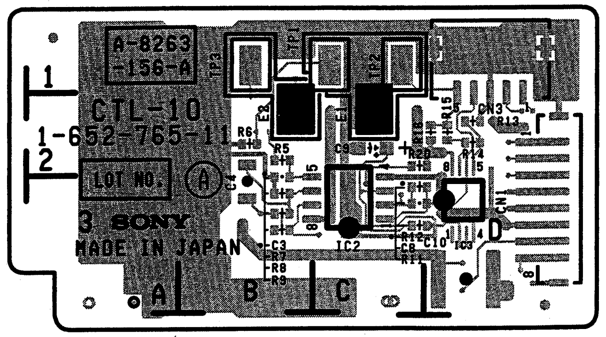


SV-210 -B SIDE-
SUFFIX:-11

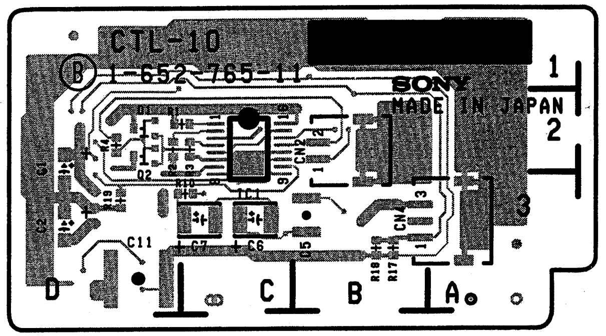
CTL-10 (1-652-765-11)

*:B SIDE

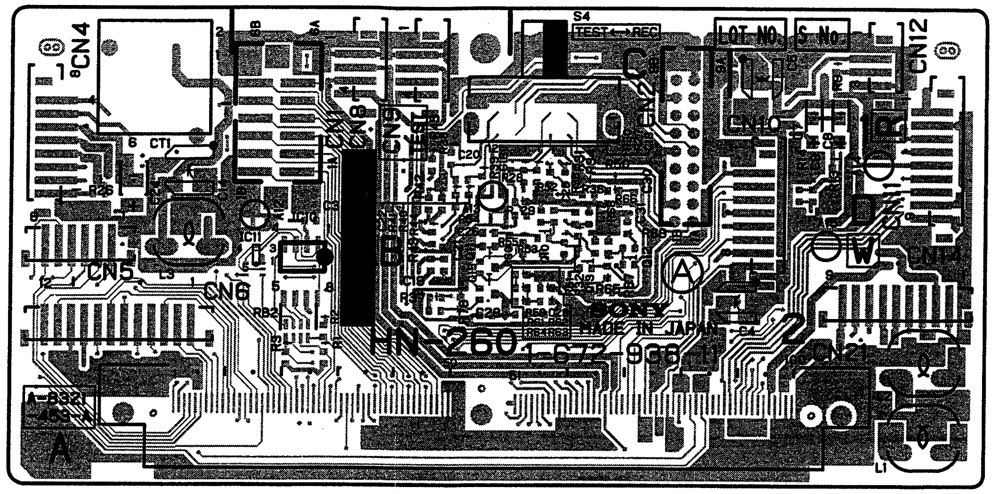
CN1	D3
CN2	*B2
CN3	D1
CN4	*A3
C1	*D2
C2	*D3
C3	B3
C4	B3
C5	*B3
C6	*C3
C7	*C3
C8	C3
C9	C2
C10	D3
C11	*D3
E1	C2
E2	B2
IC1	*C2
IC2	C3
IC3	D3
Q1	*D2
Q2	*D2
R1	*C2
R2	*D2
R3	*C2
R4	*D2
R5	B2
R6	B2
R7	B3
R8	B3
R9	B3
R10	*C3
R11	C3
R12	C3
R13	D2
R14	D2
R15	D2
R16	D2
R17	*B3
R18	*B3
R19	*D3
R20	C2
TP1	C1
TP2	C1
TP3	B1


A-8263
-156-A
CTL-10
1-652-765-11
LOT NO.
SONY
MADE IN JAPAN
1
2
3
A
B
C
D
IC2
CN1
CN3
R5
R6
C8
C3
R7
R8
R9
C10
IC3
R13
R14
R15
R16

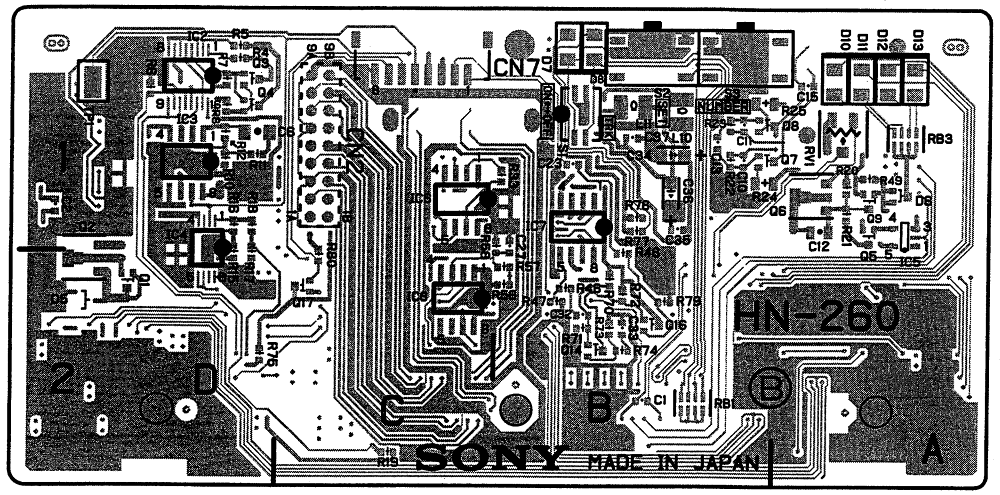
CTL-10 -A SIDE-
SUFFIX:-11


CTL-10
1-652-765-11
SONY
MADE IN JAPAN
1
2
3
A
B
C
D
IC1
CN2
CN4
Q2
C11
C7
C6
R18
R17

CTL-10 -B SIDE-
SUFFIX:-11


CN4
CT1
CN5
CN6
CN8
CN9
CN1
CN10
CN11
CN12
CN14
CN21
S4
TEST ← → REC
LOT NO.
S No.
HN-260 1-672-938-11
SONY
MADE IN JAPAN
A
B
C
D
1
2
L1

HN-260 -A SIDE-
SUFFIX:-11


CN7
IC2
R5
RB3
D10
D11
D12
D13
HN-260
SONY
MADE IN JAPAN
A
B
C
D
1
2

HN-260 -B SIDE-
SUFFIX:-11

HN-260 (1-672-938-11)

*:B SIDE

A12	B1	C35	*B1	L1	D2	R16	*D1	R55	C1
A13	B1	C36	*B1	L2	D2	R17	*D2	R56	*B2
A14	D1	C37	*B1	L3	A1	R18	*D1	R57	*B2
A15	D2			L10	*B1	R19	*C2	R58	*B1
		CN1	B1	L11	*B1	R20	*A1	R59	C2
C1	*B2	CN2	C1			R21	*A1	R60	C2
C2	*D1	CN4	A1	Q1	*D2	R22	*B1	R61	C2
C3	B1	CN5	A1	Q2	*D2	R23	*B1	R62	C2
C4	D2	CN6	A2	Q3	*D1	R24	*B1	R63	C2
C5	D1	CN7	*C1	Q4	*D1	R25	*B1	R64	C2
C6	*D1	CN8	B1	Q5	*A1	R26	A1	R65	C2
C7	D1	CN9	B1	Q6	*A1	R27	C1	R66	C1
C8	D1	CN10	D1	Q7	*B1	R28	C1	R67	C2
C9	D1	CN11	D1	Q8	*B1	R29	C1	R68	C1
C10	*B1	CN12	D1	Q9	*A1	R30	C1	R69	C1
C11	*B1	CN14	D2	Q10	C1	R31	C1	R70	*B2
C12	*A1	CN21	B2	Q11	B2	R32	C1	R71	*B2
C13	*B1			Q12	C2	R33	*B1	R72	*B2
C14	A1	CT1	A1	Q13	C2	R34	C1	R73	*B2
C15	*A1			Q14	*B2	R35	C1	R74	*B2
C16	C1	D5	*D2	Q15	B2	R36	C1	R75	*D2
C17	C1	D6	*A1	Q16	*B2	R37	B2	R76	*B1
C18	C1	D7	*B1	Q17	*C2	R38	B1	R77	*B1
C19	B2	D8	*B1			R39	B1	R78	B2
C20	B1	D10	*A1	R1	B2	R40	B1	R79	*B2
C21	B2	D11	*A1	R2	B2	R41	B1	R80	*C2
C22	B1	D12	*A1	R3	B2	R42	B1		
C23	*B1	D13	*A1	R4	*D1	R43	B2	RB1	*B2
C24	A1			R5	*D1	R44	B1	RB2	B2
C25	C1	IC2	*D1	R6	*D1	R45	B1	RB3	*A1
C26	B1	IC3	*D1	R7	*D1	R46	*B2		
C27	*B1	IC4	*D1	R8	*D1	R47	*B2	RV1	*A1
C28	B2	IC5	*A1	R9	D1	R48	*B2		
C29	C2	IC6	*C1	R10	*D1	R49	*A1	S1	*B1
C30	C1	IC7	*B1	R11	*D1	R50	C1	S2	*B1
C31	C1	IC8	*C2	R12	*D1	R51	C1	S3	*B1
C32	*B2	IC10	B1	R13	D1	R52	C1	S4	C1
C33	*B2	IC11	B2	R14	D1	R53	C1		
C34	*B1			R15	*D2	R54	B1	TP1	*D1

Lot No. : 810 through 907

TC-101 (1-672-902-11)

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R779 *C1
R780 *B2
R781 *B2
R782 C1
R783 *C1
R784 B2
R785 *B2
R786 C1
R787 B2
R788 B5
R789 C5
R790 C1
R791 *B2
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R802 D5
R803 *D5
R804 *D5
R805 *E1
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R807 *D5
R808 *D5
R809 *D5
R810 *D5
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R814 B5
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R817 B5
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R827 B5
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R832 *E1
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R834 C5
R835 C5
R836 D5
R837 B5
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R839 C5
R840 C5
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R942 B5
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R960 D5
R961 D5

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RB812 *E1
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RB814 B4
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RB819 *B3
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RB821 *C4
RB822 *C3
RB823 B3
RB824 *E1
RB825 *E1

RV101 E3
RV102 E3
RV103 *E5
RV104 *E5
RV601 *D1
RV602 *C2

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S103 E4
S104 E3
S105 E3
S106 *E5
S107 *D5
S108 E5
S601 *C2
S602 *C1
S603 *B1
S801 E2
S802 *B3
S803 D3
S804 D4
S805 D3
S806 E1
S807 D1
S808 D2
S809 D4
S810 D3
S811 D3
S812 D4

SL1 *A2
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SL602 *C2
SL603 *D1
SL604 *C2
SL605 *B2
SL608 *C1
SL609 *B2
SL801 *C4
SL802 *C4
SL803 *B4
SL804 *D2
SL805 *E1
SL806 *E1
SL807 *E1
SL808 *E1
SL809 *E1

TP101 *E5
TP102 *D5
TP401 *D4
TP402 *C4
TP601 *C2
TP602 *C2
TP603 *A2
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TP801 *B4
TP802 *E1
TP803 *B4
TP804 *B4
TP805 *C3
TP806 *C4
TP807 *B4
TP808 *B4
TP809 *B4
TP810 *B4
TP811 *E1

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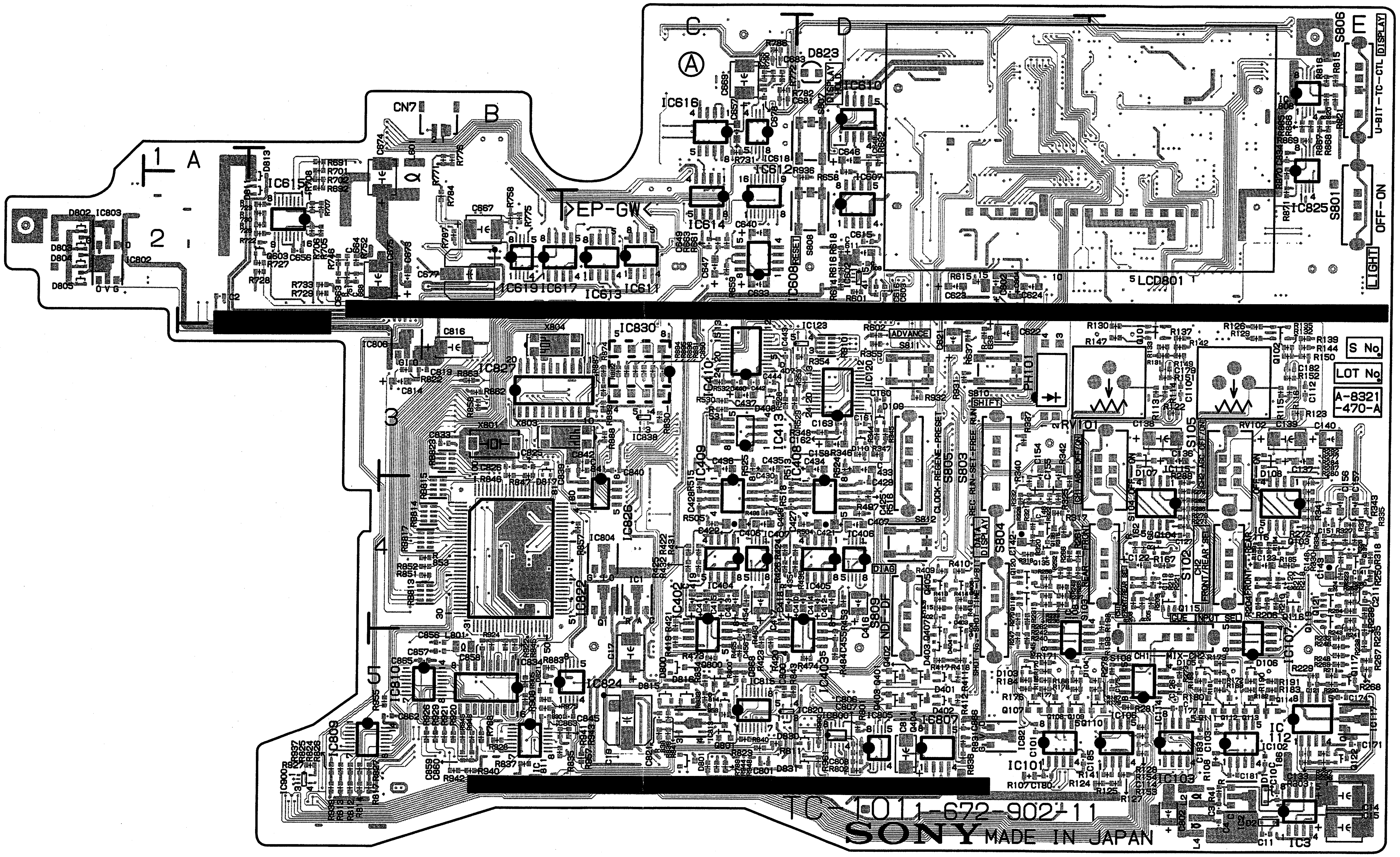
X802 *B3
X803 C3
X804 B3


TC-101 1-672-902-11
SONY MADE IN JAPAN
A-8321-470-A
S No
LOT No
LCD801
DISPLAY
U-BIT-TC-CTL
OFF-ON
LIGHT
ADVANCE
SHIFT
RESET
DIAG
EP-GW

Components locations list ; previous page

TC-101 -A SIDE-

SUFFIX:-11

DVW-707 (J) : S/N 30001 through 30010
DVW-707 (SY) : S/N 10001 through 10055
DVW-707P : S/N 40001 through 40120
DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10105
DVW-709WSP : S/N 40001 through 40190
DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10090
DVW-790WSP : S/N 40001 through 40335

Lot No. : 907N and Higher

TC-101 (1-672-902-12)
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*:B SIDE

BT801	*B2
C1	*C4
C2	A2
C3	E5
C4	E5
C5	*A2
C6	*C4
C7	*C4
C8	*E5
C9	*E5
C10	E5
C11	E5
C12	*E5
C13	*E5
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C18	*C5
C19	C5
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C22	*B4
C23	*B4
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C106	*E5
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C123	E4
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C808	D5
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C824	*E1
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C838	*B3
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C854	*D1
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D406	*C4
D407	C3
D408	C3
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D802	A2
D803	A2
D804	A2
D805	A2
D806	*D5
D807	*D5
D808	*B3
D809	*D5
D810	*D5
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D813	B2
D814	C5
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IC123	D3
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IC403	C4
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IC408	D4
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R220	E5
R221	E4
R222	*E3
R223	*E4
R224	*E4
R225	*E4
R226	*E4
R227	*E4
R228	*E4
R229	E5
R230	*E5
R231	D5
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R233	D4
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R247	D5
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R251	*E4
R252	*E3
R253	*E3
R254	*D4
R255	*E5
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R302	*E3
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R329	*D3
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R857	C4
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R899	*E1
R900	*D1
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R902	*E1
R903	*E1
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R905	B5
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R932	D3
R933	*D4
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R935	*D1
R936	D2
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R944	C5
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R961	D5
R962	E1
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R964	*D1
R965	*D1
R966	*E1
R967	E1
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R969	E1
R970	*C5
R971	C5
RB101	D3
RB601	*D1
RB802	*E2
RB803	*D1
RB805	*E1
RB806	*D1
RB808	*D2
RB809	*D1
RB811	*D2
RB812	*E1
RB813	B4
RB814	B4
RB815	B4
RB816	*B3
RB817	B4
RB818	*B3
RB819	*B3
RB820	*C4
RB821	*C4
RB822	*C3
RB823	B3
RB824	*E1
RB825	*E1
RV101	E3
RV102	E3
RV103	*E5
RV104	*E5
RV601	*D1
RV602	*C2
S101	*E3
S102	E4
S103	E4
S104	E3
S105	E3
S106	*E5
S107	*D5
S108	E5
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S602	*C1
S603	*B1
S801	E2
S802	*B3
S803	D3
S804	D4
S805	D3
S806	E1
S807	D1
S808	D2
S809	D4
S810	D3
S811	D3
S812	D4
SL1	*A2
SL101	*B5
SL605	*B2
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SL803	*B4
SL804	*D2
SL805	*E1
SL806	*E1
SL807	*E1
SL808	*E1
SL809	*E1
TP101	*E5
TP102	*D5
TP401	*D4
TP402	*C4
TP601	*C2
TP602	*C2
TP603	*A2
TP800	*B4
TP801	*B4
TP802	*E2
TP803	*B4
TP804	*B4
TP805	*C3
TP806	*C4
TP807	*B4
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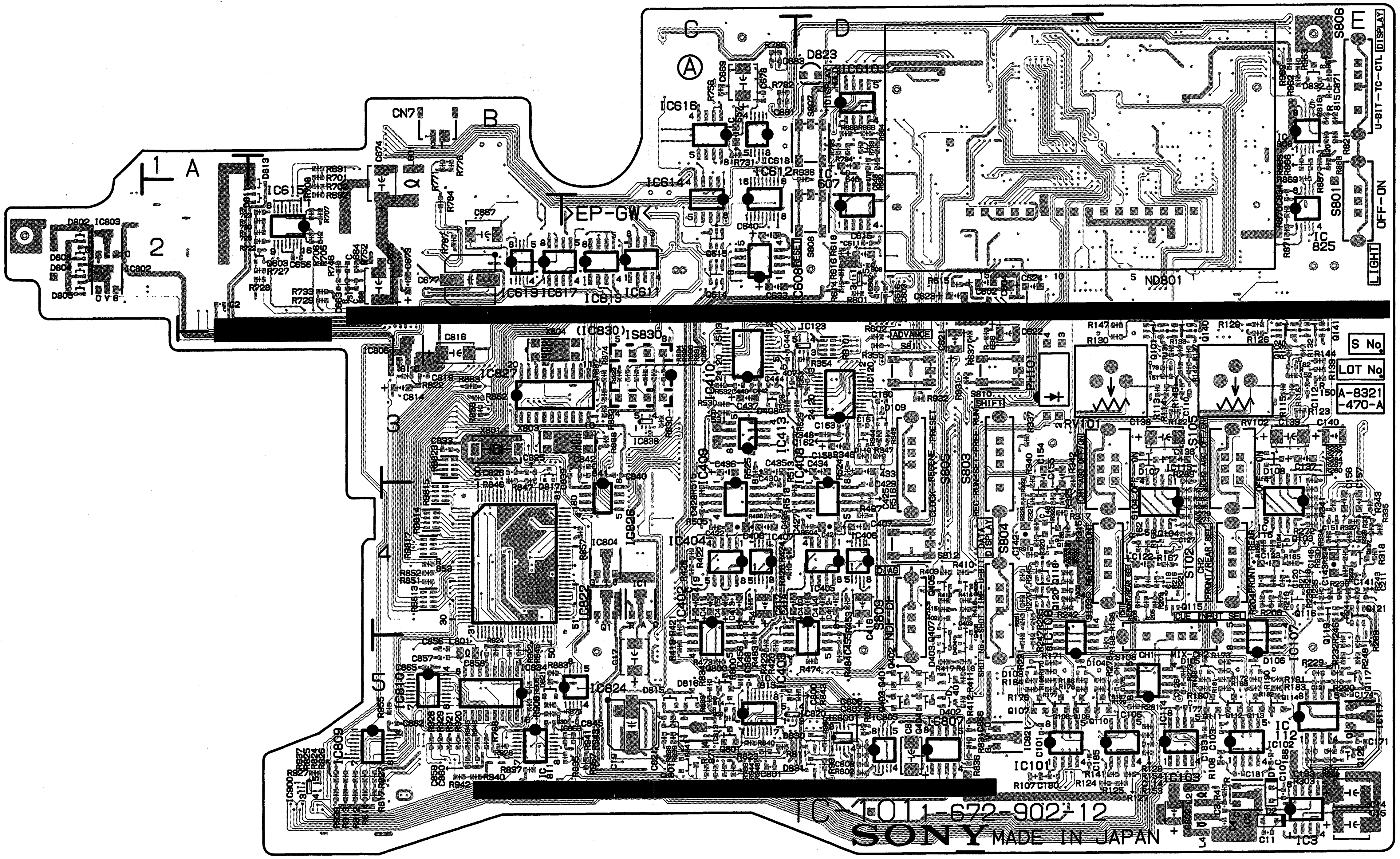
X804	B3


A
B
C
D
E
1
2
3
4
5
CN7
EP-GW
S806
S801
ND801
IC825
U-BIT-TC-CTL
DISPLAY
OFF-ON
LIGHT
S No
LOT No
A-8321-470-A
ADVANCE
PH101
RV101
RV102
S105
S102
S803
S804
S805
S809
IC101
IC103
IC112
IC3
IC401
IC402
IC403
IC404
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IC410
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IC606
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IC611
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IC822
IC824
IC826
IC827
IC830
IC838
IC840
IS830
X801
D823
CUE INPUT SEL
MIX-CH2
TC-101 1-672-902-12
SONY MADE IN JAPAN

Components locations list ; previous page

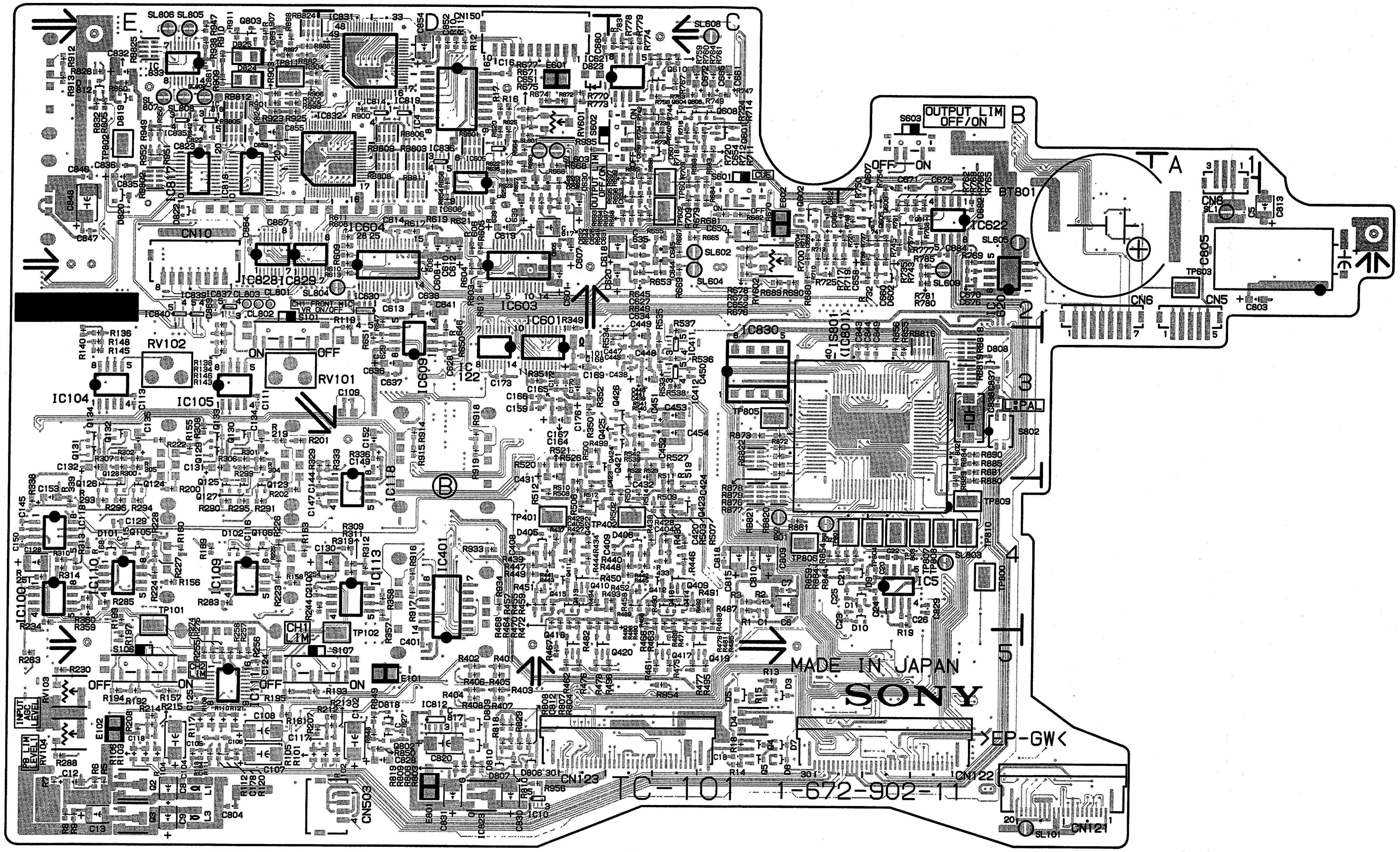
TC-101 -A SIDE-

SUFFIX:-12

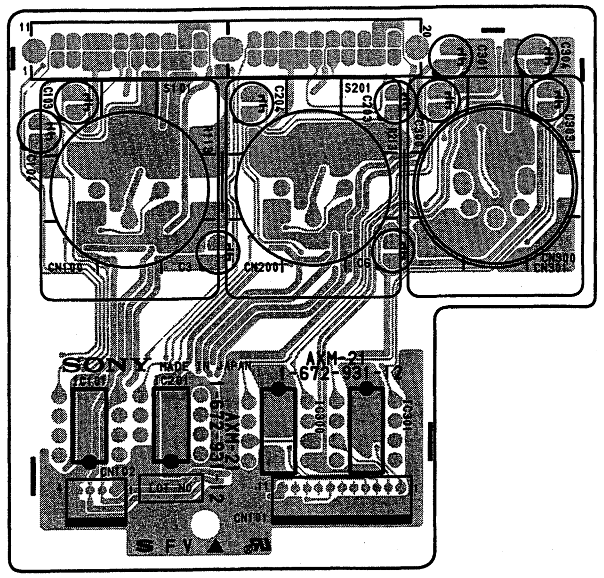
DVW-707 (J) : S/N 30011 and Higher
DVW-707 (SY) : S/N 10056 and Higher
DVW-707P : S/N 40121 and Higher

DVW-709WS (J) : S/N 30006 and Higher
DVW-709WS (SY) : S/N 10106 and Higher
DVW-709WSP : S/N 40191 and Higher

DVW-790WS (J) : S/N 30006 and Higher
DVW-790WS (SY) : S/N 10091 and Higher
DVW-790WSP : S/N 40336 and Higher

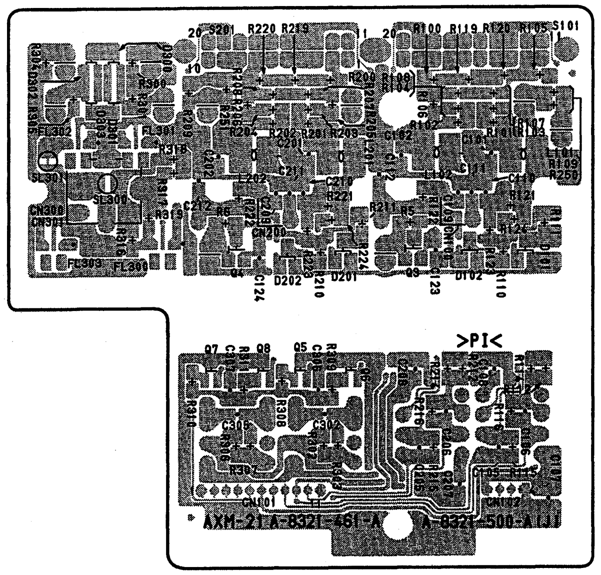

OUTPUT LIM
OFF/ON
MADE IN JAPAN
SONY
>EP-GW<
TC-101 1-672-902-11
INPUT AGC LEVEL
PB LIM LEVEL
CH1 LIM
L:PAL
BT801
CN10
CN5
CN6
CN8
CN121
CN122
CN123
CN150
CN503
IC104
IC105
IC109
IC110
IC113
IC118
IC401
IC601
IC603
IC604
IC609
IC622
IC828
IC829
IC830
IC831
IC832
RV101
RV102
A
B
C
D
E
1
2
3
4
5

TC-101 -B SIDE-
SUFFIX:-11


SONY
AXM-21
S F V A

AXM-21 -A SIDE-

SUFFIX:-12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AXM-21 A-8321-481-A A-8321-500-A(J)

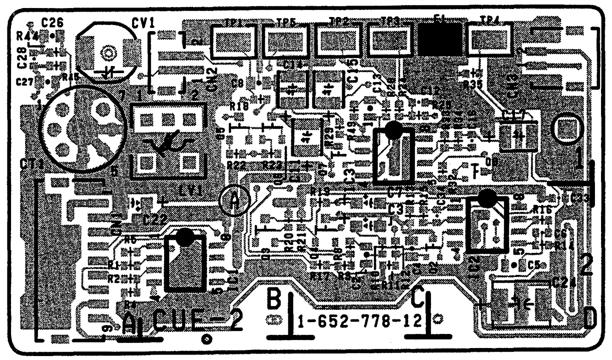
AXM-21 -B SIDE-

SUFFIX:-12

DVW-707 (J) : S/N 30006 and Higher
DVW-707 (SY) : S/N 10046 and Higher
DVW-707P : S/N 40101 and Higher

DVW-709WS (J) : S/N 30006 and Higher
DVW-709WS (SY) : S/N 10066 and Higher
DVW-709WSP : S/N 40141 and Higher

DVW-790WS (J) : S/N 30006 and Higher
DVW-790WS (SY) : S/N 10056 and Higher
DVW-790WSP : S/N 40156 and Higher


CV1
CUE-2
1-652-778-12
A
B
C
D

CUE-2 -A SIDE-

SUFFIX:-12

CUE-2 (1-652-778-12)

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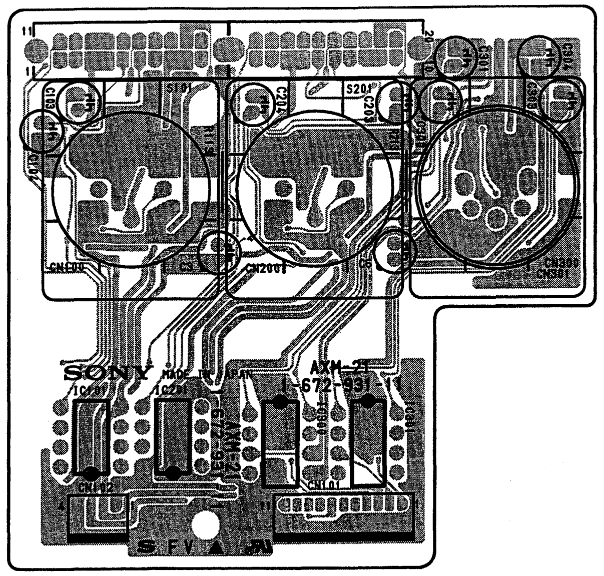
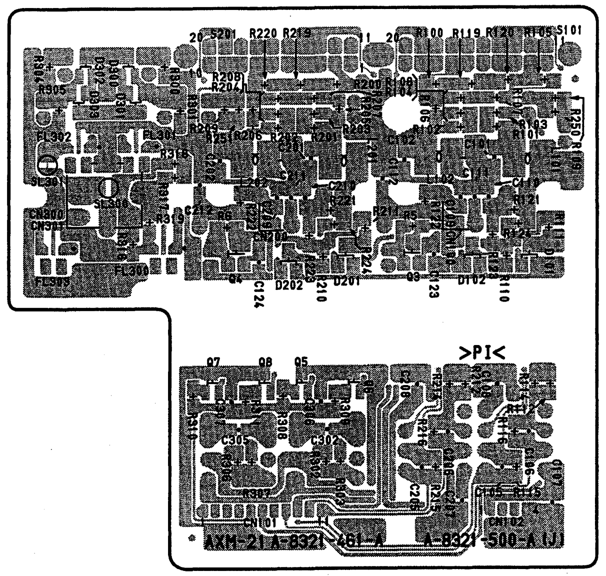
*:B SIDE

CN1	A2	C11	C1	C28	A1	IC5	*D2
CN2	B1	C12	C1	C29	*A2		
CN3	D1	C13	C1	C30	*A1	LV1	B1
		C14	C1	C31	*B1		
CT1	A1	C15	C1	C32	*C2	L1	*A2
		C16	D1	C33	D2	L2	*B2
CV1	A1	C17	D1	C34	D2		
		C18	*D1			Q1	*C1
C1	*A2	C19	*D1	D1	*D2	Q2	D2
C3	C2	C20	*D2	D2	*D2	Q3	B2
C4	C2	C21	*D2			Q4	C2
C5	D2	C22	A2	E1	D1	Q5	B1
C6	D2	C23	*A2			Q6	B1
C7	C2	C24	D2	IC1	B2	Q7	C1
C8	B1	C25	*C2	IC2	D2	Q8	D1
C9	*B1	C26	A1	IC3	C1	Q9	*B1
C10	*A1	C27	A1	IC4	*C2	Q10	*C2


SONY
AXM-21
S F V A

AXM-21 -A SIDE-

SUFFIX:-11


>PI<
AXM-21 A-8321-481-A A-8321-500-A(J)

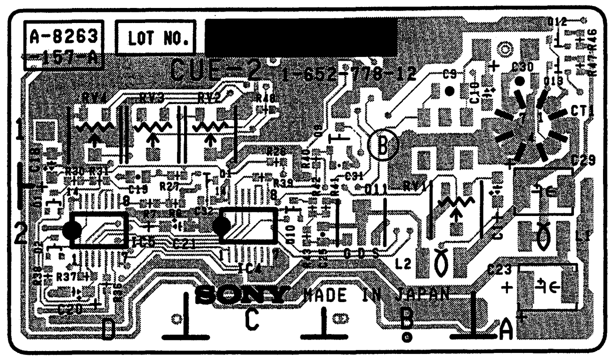
AXM-21 -B SIDE-

SUFFIX:-11

DVW-707 (J) : S/N 30001 through 30005
DVW-707 (SY) : S/N 10001 through 10045
DVW-707P : S/N 40001 through 40100

DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10065
DVW-709WSP : S/N 40001 through 40140

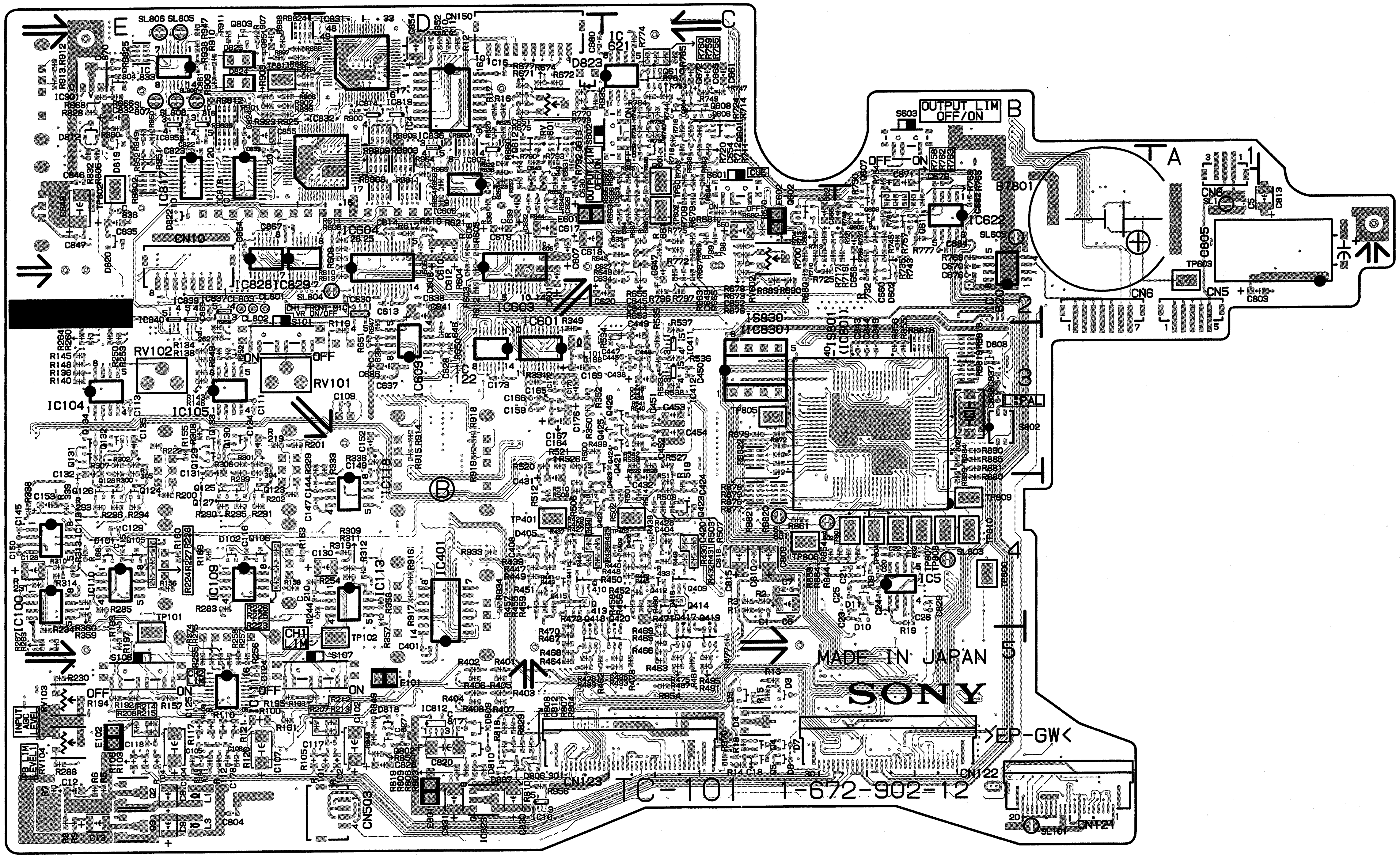
DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10055
DVW-790WSP : S/N 40001 through 40155


A-8263
157-A
LOT NO.
[redacted]
CUE-2 1-652-778-12
SONY MADE IN JAPAN
D
C
B
A

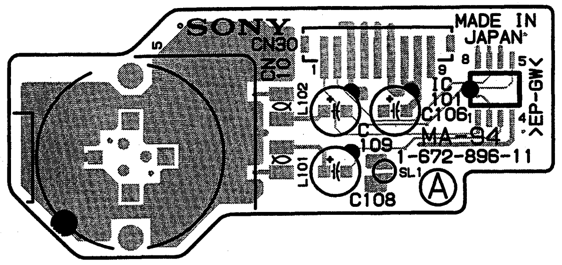
CUE-2 -B SIDE-

SUFFIX:-12

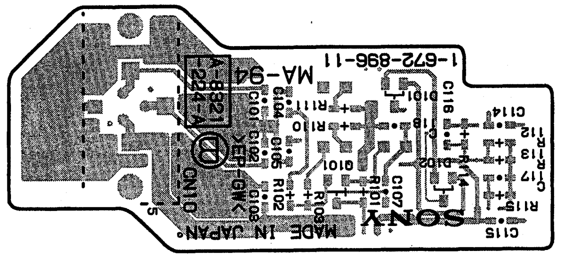
Q11	*B2	R11	C2	R28	C1	R45	A1
Q12	*A1	R12	C2	R29	C1	R46	*A1
Q13	*A1	R13	C2	R30	*D1	R47	*A1
		R14	D2	R31	*D1		
RV1	*B2	R15	C2	R32	D1	TP1	B1
RV2	*C1	R16	D2	R33	D1	TP2	C1
RV3	*D1	R17	C2	R34	D1	TP3	C1
RV4	*D1	R18	B1	R35	D1	TP4	D1
		R19	C2	R36	*D2	TP5	B1
R1	A2	R20	B2	R37	*D2		
R2	A2	R21	C2	R38	*D2		
R4	A2	R22	B1	R39	*C1		
R5	A2	R23	B1	R40	*C1		
R6	*D2	R24	C1	R41	*B2		
R7	*D2	R25	C1	R42	*C2		
R9	C2	R26	*C1	R43	*C2		
R10	C2	R27	*D1	R44	A1		


TC-101 1-672-902-12
MADE IN JAPAN
SONY
EP-GW
OUTPUT LIM OFF/ON
BT801
CN10
RV101
RV102
IC401
IC830
CN503
CN123
CN122
CN121
INPUT ALC LEVEL
PB LIM LEVEL
A
B
C
D
E
1
2
3
4
5

TC-101 -B SIDE-
SUFFIX:-12


SONY
MADE IN JAPAN
CN30
MA-94
1-672-896-11
C106
C108
C109
EP-GW
A

MA-94 -A SIDE-
SUFFIX:-11

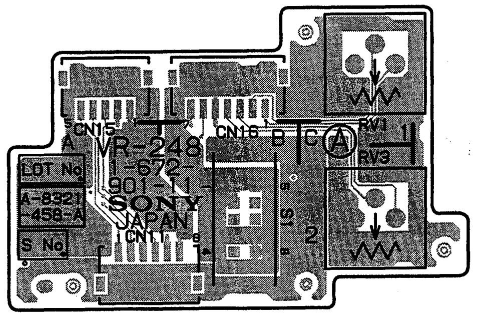

1-672-896-11
MA-94
A-8321-224-A
CN10
SONY
MADE IN JAPAN
EP-GW
B

MA-94 -B SIDE-
SUFFIX:-11

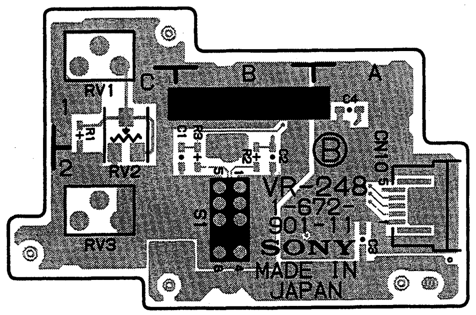
VR-248 (1-672-901-11)

*:B SIDE

C1	*B2
C2	*B2
C3	*A2
C4	*A1
CN10	*A2
CN11	A2
CN15	A1
CN16	B1
R1	*C1
R2	*B2
R3	*B2
RV1	C1
RV2	*C1
RV3	C2
S1	B2


CN15
CN16
VR-248
1-672-901-1
SONY
JAPAN
LOT No
A-8321-458-A
S No
RV1
RV3
S1
A

VR-248 -A SIDE-
SUFFIX:-11

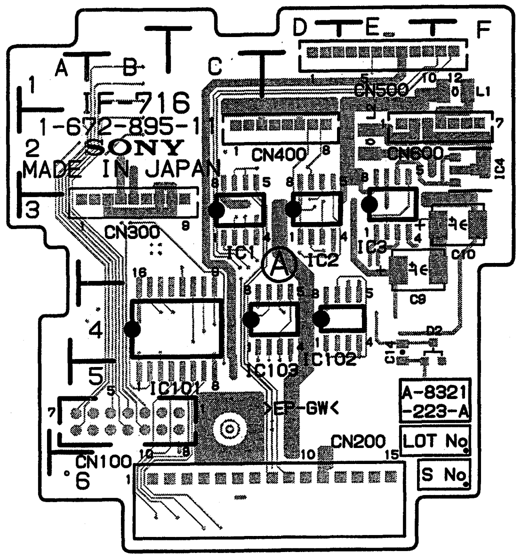

RV1
RV2
RV3
VR-248
1-672-901-1
SONY
MADE IN JAPAN
CN10
S1
B

VR-248 -B SIDE-
SUFFIX:-11

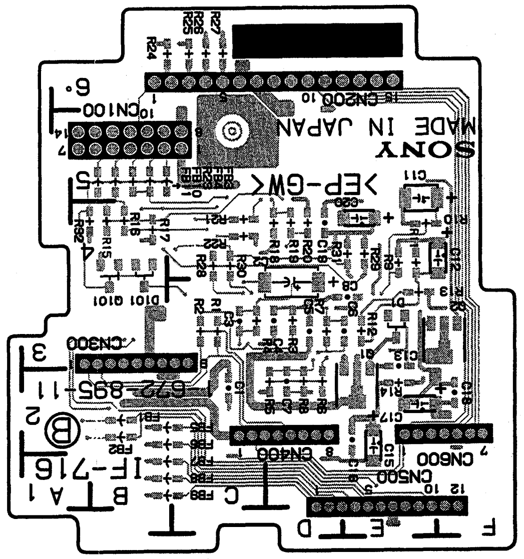
IF-716 (1-672-895-11)

*:B SIDE

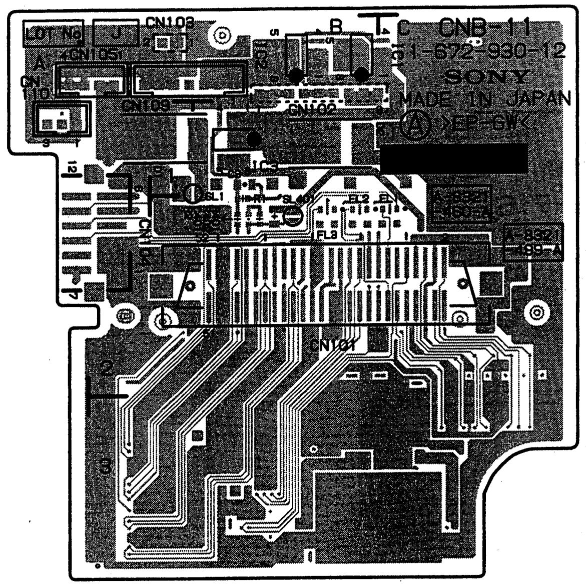
C1	*C2
C2	*D3
C3	*C3
C4	*D3
C5	*D3
C6	*E3
C7	*D2
C8	*E3
C9	E3
C10	F3
C11	*E5
C12	*F4
C13	*E3
C14	E4
C15	*E2
C16	*E2
C17	*E2
C18	*F2
C19	*D4
C20	*E4
CN100	B5
CN200	D6
CN300	B3
CN400	D2
CN500	E1
CN600	F2
D1	*E3
D2	F4
D101	*B4
FB1	*B2
FB2	*B2
FB3	*B5
FB4	*B5
FB5	*B2
FB6	*B2
FB7	*B1
FB8	*B1
FB9	*B1
FB10	*B5
FB11	*B5
IC1	C3
IC2	D3
IC3	E3
IC4	F2
IC101	B5
IC102	D4
IC103	C4
L1	F1
L2	E2
Q1	*E2
Q2	*F3
Q101	*B4
R1	*C3
R2	*C3
R3	*D3
R4	*C3
R5	*D2
R6	*D2
R7	*D3
R8	*D2
R9	*E4
R10	*E4
R11	*E4
R12	*E3
R13	*E3
R14	*E2
R15	*B4
R16	*B4
R17	*B4
R18	*D4
R19	*D4
R20	*D4
R21	*C4
R22	*C4
R23	*B5
R24	*B6
R25	*C6
R26	*C6
R27	*C6
R28	*C4
R29	*E4
R30	*C4
R31	*E4
R32	*B4


A
B
C
D
E
F
1
2
3
4
5
6
IF-716
1-672-895-1
SONY
MADE IN JAPAN
CN500
CN400
CN600
CN300
IC1
IC2
IC3
IC4
IC101
IC102
IC103
L1
C9
C10
CN100
CN200
EP-GW
A-8321-223-A
LOT No
S No
A

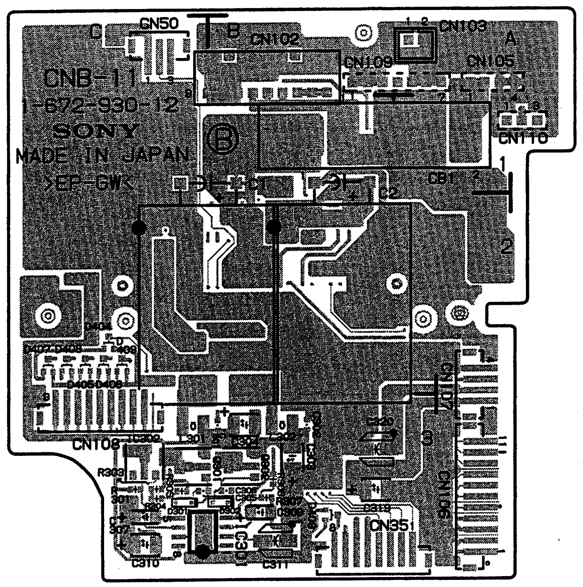
IF-716 -A SIDE-
SUFFIX:-11


SONY
MADE IN JAPAN
CN100
CN200
CN300
CN400
CN500
CN600
EP-GW
IF-716
1-672-895-11
B
A
C
D
E
F
1
2
3
5
6

IF-716 -B SIDE-
SUFFIX:-11


CNB-11
1-672-930-12
SONY
MADE IN JAPAN
CN103
CN105
CN109
CN101

CNB-11 -A SIDE-
SUFFIX:-12

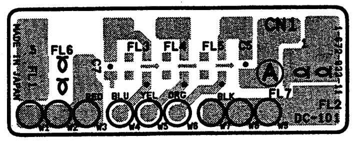

CNB-11
1-672-930-12
SONY
MADE IN JAPAN
>EP-GW<
CN50
CN102
CN103
CN109
CN105
CN110
CN108
CN351

CNB-11 -B SIDE-
SUFFIX:-12

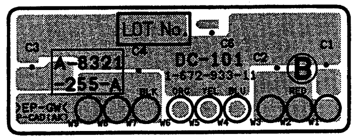
CNB-11 (1-672-930-12)
----

*:B SIDE

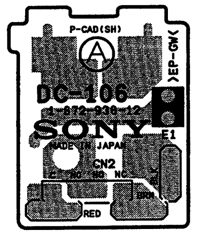
C1	*B1	CN35	*B3	D404	*C2	L302	*B3
C2	*B1	CN50	*C1	D405	*C2		
C3	B1	CN101	B2	D406	*C2	Q301	*C3
C301	*B3	CN102	*B1	D407	*C2	Q302	*B3
C302	*B3	CN103	*A1	D408	*C2		
C303	*B3	CN104	A2	D409	*B3	R1	B2
C304	*B3	CN105	A1			R2	B2
C305	*C3	CN106	*A3	FL1	C2	R301	*C3
C306	*B3	CN107	*A2	FL2	B2	R303	*C3
C307	*C3	CN108	*C3	FL3	B2	R304	*C3
C309	*B3	CN109	A1			R305	*C3
C310	*C3	CN110	A1	IC1	B1	R306	*B3
C311	*B3			IC2	B1	R307	*B3
C319	*B3	D1	A1	IC3	B1	R401	B2
C320	*B3	D2	B1	IC301	*B3	R402	B2
C401	B2	D301	*C3	IC302	*C3		
		D302	*B3			SL1	B1
CB1	*A1	D403	*C2	L301	*C3	SL401	B2


CN1
FL6
FL5
FL4
FL7

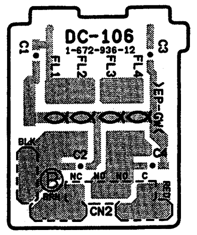
DC-101 -A SIDE-
SUFFIX:-11


LOT No.
DC-101
A-8321
-255-A

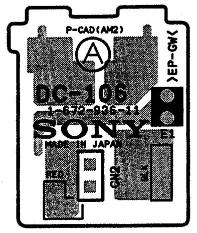
DC-101 -B SIDE-
SUFFIX:-11


P-CAD(SH)
DC-106
SONY
>EP-GW<

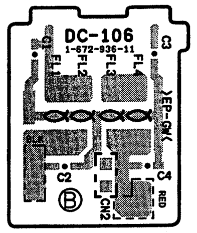
DC-106 -A SIDE-
SUFFIX:-12


DC-106
1-672-936-12
>EP-GW<

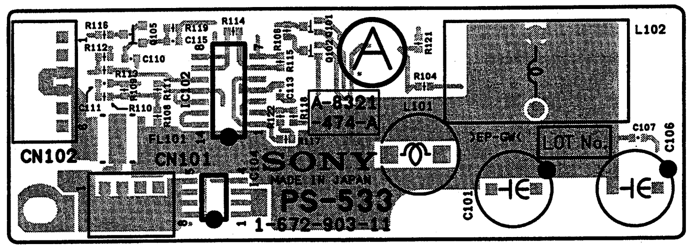
DC-106 -B SIDE-
SUFFIX:-12


P-CAD(AM2)
DC-106
SONY
>EP-GW<

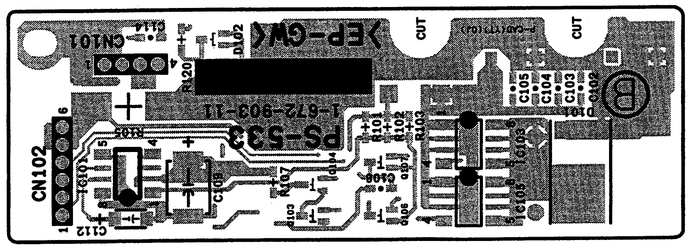
DC-106 -A SIDE-
SUFFIX:-11


DC-106
1-672-936-11
>EP-GW<

DC-106 -B SIDE-
SUFFIX:-11


L102
A-8321
-474-A
LOT No.
CN102
CN101
SONY
MADE IN JAPAN
PS-533
1-672-903-11

PS-533 -A SIDE-
SUFFIX:-11

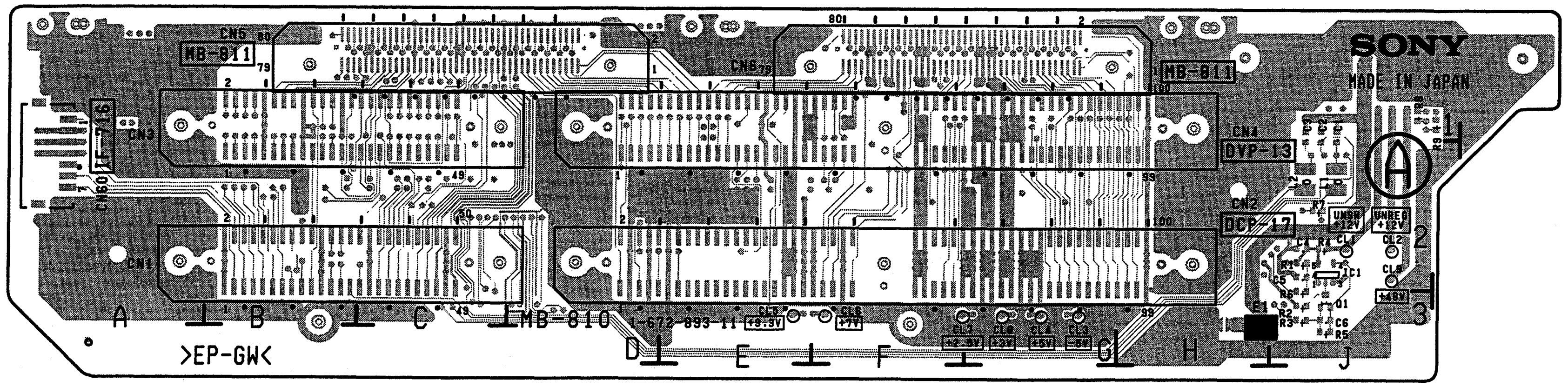

>EP-GW<
CN101
CN102
PS-533
1-672-903-11

PS-533 -B SIDE-
SUFFIX:-11

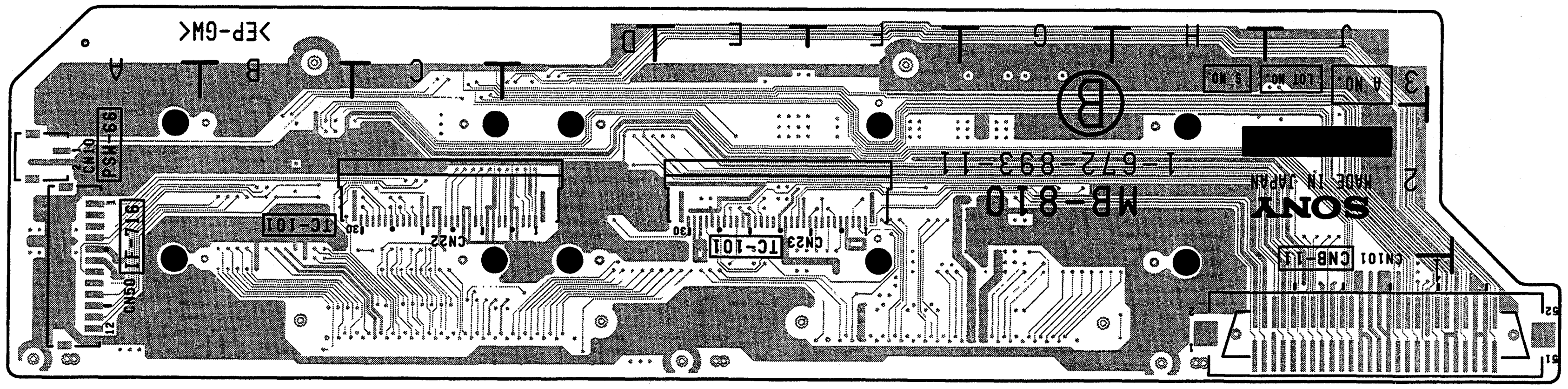
MB-810 (1-672-893-11)

*:B SIDE

C1	J2
C2	J2
C3	J2
C4	J2
C5	J2
C6	J3
CL1	J2
CL2	J2
CL3	G3
CL4	G3
CL5	E3
CL6	F3
CL7	F3
CL8	G3
CL9	J2
CN1	B2
CN2	F2
CN3	B1
CN4	F1
CN5	C1
CN6	F1
CN10	*A2
CN22	*C2
CN23	*E2
CN50	*A1
CN60	A2
CN101	*J1
E1	H3
IC1	J2
L1	J2
L2	J2
Q1	J3
R1	J2
R2	J3
R3	J3
R4	J2
R5	J3
R6	J3
R7	J2
R8	J1
R9	J1


SONY
MADE IN JAPAN
MB-811
CN5
CN6
CN3
CN4
DVP-13
CN2
DCP-17
CN1
CN60
IF-716
MB-810 1-672-893-11
>EP-GW<
A
A
B
C
D
E
F
G
H
J
1
2
3

MB-810 -A SIDE-
SUFFIX:-11

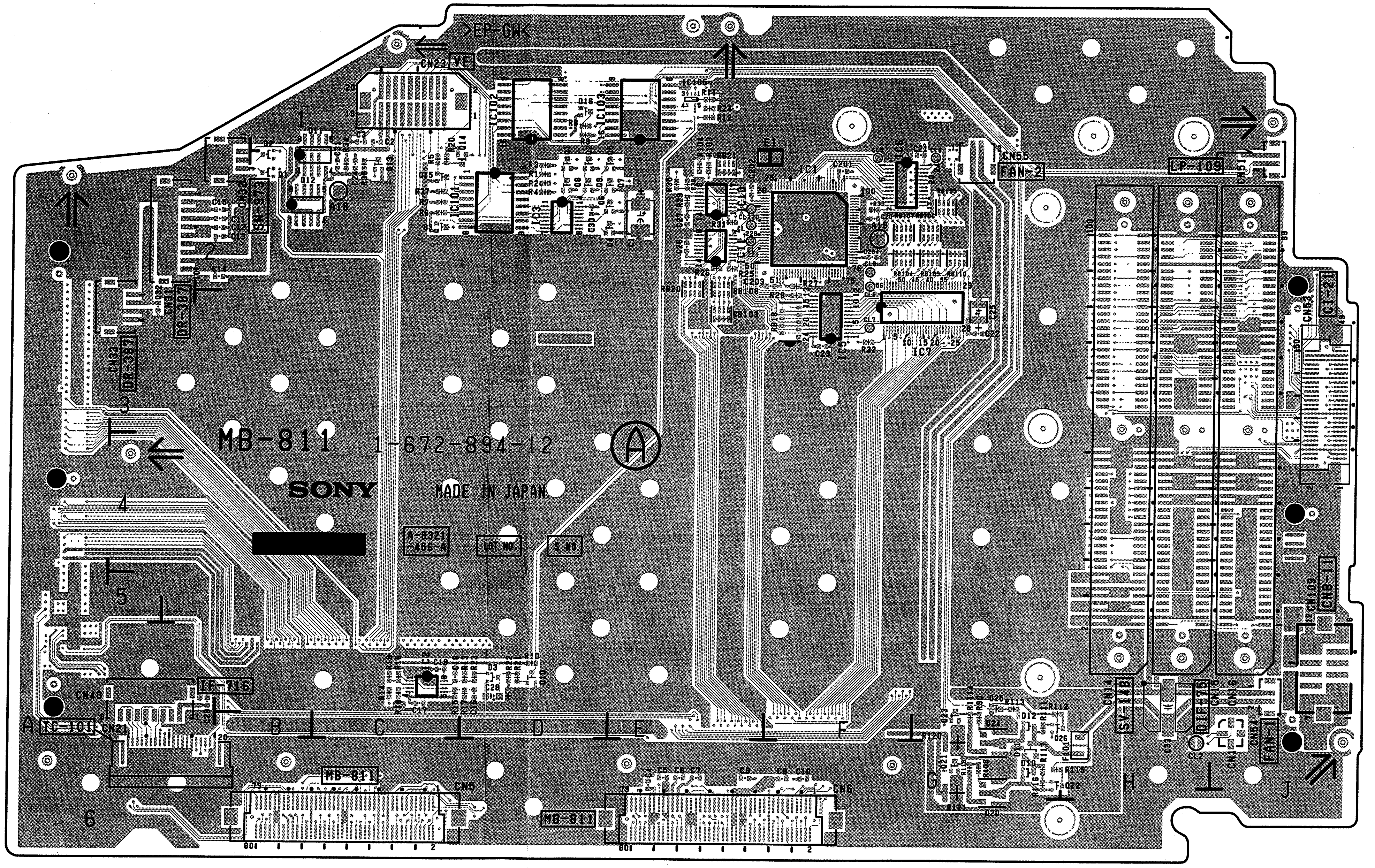

>EP-GW<
B
CN10
PSW-66
CN50
IF-716
TC-101
CN22
TC-101
CN23
CN101
CNB-11
A
B
C
D
E
F
G
H
J
1
2
3

MB-810 -B SIDE-
SUFFIX:-11

MB-811 (1-672-894-12)

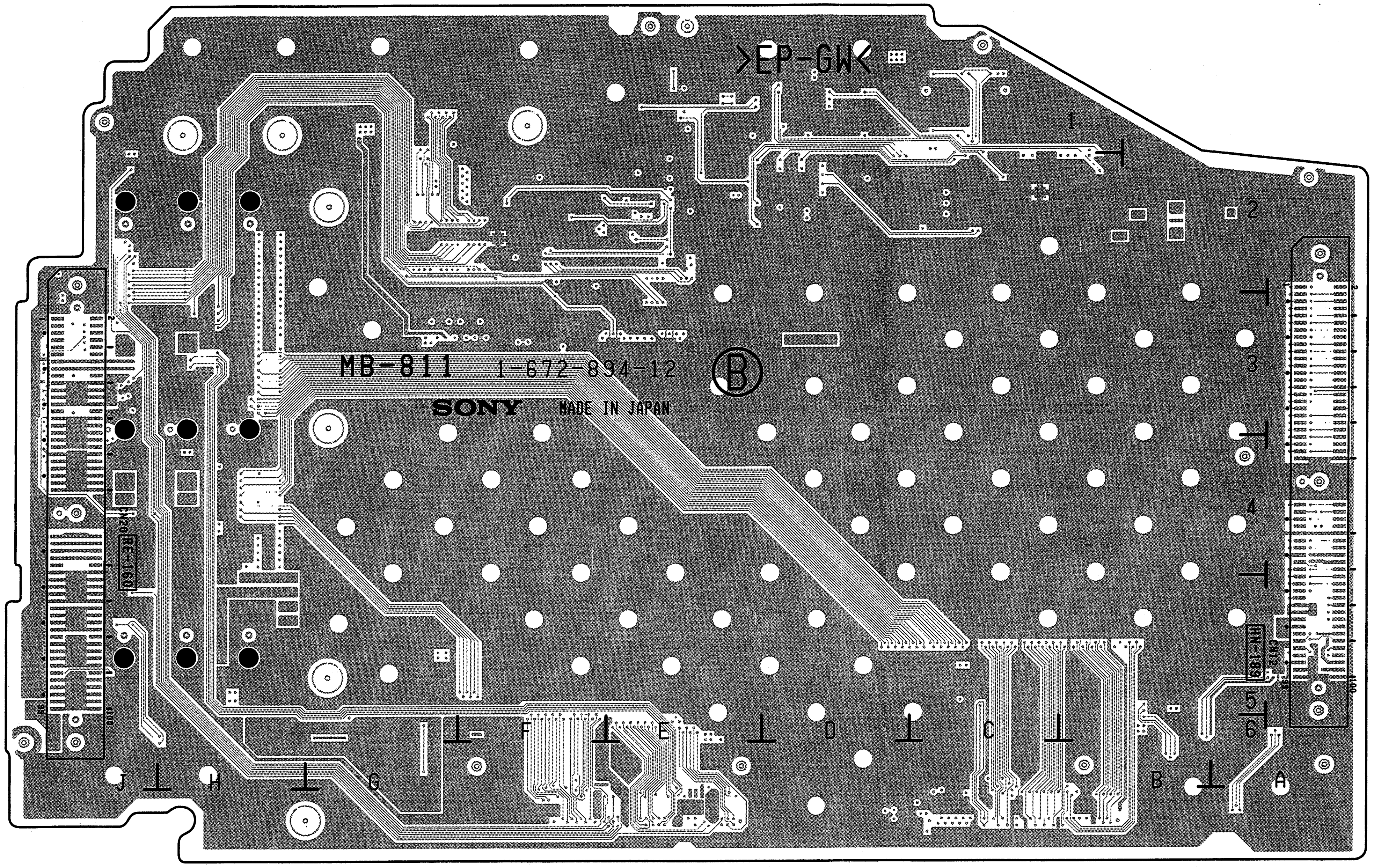
*:B SIDE

A18	C2
A19	F2
C1	E2
C2	C1
C3	C1
C4	E6
C5	E6
C6	E6
C7	E6
C8	F6
C9	E6
C10	F6
C11	B2
C12	B2
C13	B2
C14	B2
C15	B2
C16	D5
C17	C5
C18	C5
C19	C5
C20	F2
C21	G2
C22	G3
C23	F3
C24	C2
C25	G3
C26	E2
C27	E2
C28	D5
C29	B5
C30	D2
C31	C2
C32	A3
C33	H5
C201	F2
C202	E2
C203	F2
C204	F2
CL2	H6
CL5	F2
CL6	G2
CL7	F3
CL8	F2
CL9	F2
CL220	E2
CL221	E2
CL229	E2
CN1	J6
CN5	C6
CN6	E6
CN12	*A4
CN14	H3
CN15	H3
CN16	J3
CN20	*J4
CN21	B6
CN23	C1
CN31	B2
CN32	B2
CN33	A3
CN40	A5
CN51	J2
CN53	J3
CN54	J5
CN55	G2
CN109	J5
D1	B2
D2	B2
D3	D5
D10	G6
D11	G6
D12	G6
E1	F2
F101	H6
IC1	F2
IC2	C5
IC3	D2
IC5	F3
IC6	F2
IC7	F3
IC10	E2
IC11	E2
IC101	D2
IC102	D1
IC103	E1
IC105	E1
Q1	D2
Q2	D2
Q3	C2
Q4	D2
Q5	D2
Q6	D2
Q7	D2
Q8	D2
Q9	D2
Q10	D5
Q11	B2
Q12	B2
Q13	C2
Q14	C2
Q15	C2
Q16	D1
Q20	G6
Q21	G6
Q22	G6
Q23	G5
Q24	G6
Q25	G5
Q26	G6
R1	D2
R2	D2
R3	D2
R4	D2
R5	C2
R6	C2
R7	C2
R8	D1
R9	D1
R10	D5
R11	E1
R12	E1
R13	D5
R14	C5
R15	C5
R16	C5
R17	D5
R18	C5
R19	C5
R20	C2
R21	D5
R22	D5
R23	D5
R24	E1
R25	E2
R26	E2
R27	F2
R28	F3
R29	E2
R30	E2
R31	E2
R32	F3
R33	F2
R34	C2
R35	E2
R36	C2
R37	C2
R90	G6
R100	G6
R103	E2
R104	E2
R111	G6
R112	G5
R113	G5
R115	G6
R116	G6
R117	G6
R118	G6
R120	G6
R121	G6
R1114	G6
RB18	F3
RB20	E2
RB21	E2
RB103	E3
RB104	F2
RB105	G2
RB106	G2
RB107	F2
RB108	E2
RB109	G2
RB110	G2


MB-811 1-672-894-12
SONY
MADE IN JAPAN
A-8321-456-A
LOT NO.
S NO.
EP-GW
VF
CN23
CN55
FAN-2
LP-109
CN51
CN53
CI-21
CN109
CN8-11
CN14
SV-148
CN15
DIF-115
CN16
CN54
FAN-1
CN31
DR-387
CN32
SW-873
CN33
DR-387
CN40
TC-101
CN21
IF-716
MB-811
CN5
MB-811
CN6
IC1
IC7
IC101
IC102
IC103
IC105
E1
1
2
3
4
5
6
A
B
C
D
E
F
G
H
J

MB-811 -A SIDE-
SUFFIX:-12

DVW-707 (J) : S/N 30006 and Higher	DVW-709WS (J) : S/N 30006 and Higher	DVW-790WS (J) : S/N 30006 and Higher
DVW-707 (SY) : S/N 10011 and Higher	DVW-709WS (SY) : S/N 10026 and Higher	DVW-790WS (SY) : S/N 10016 and Higher
DVW-707P : S/N 40021 and Higher	DVW-709WSP : S/N 40071 and Higher	DVW-790WSP : S/N 40061 and Higher

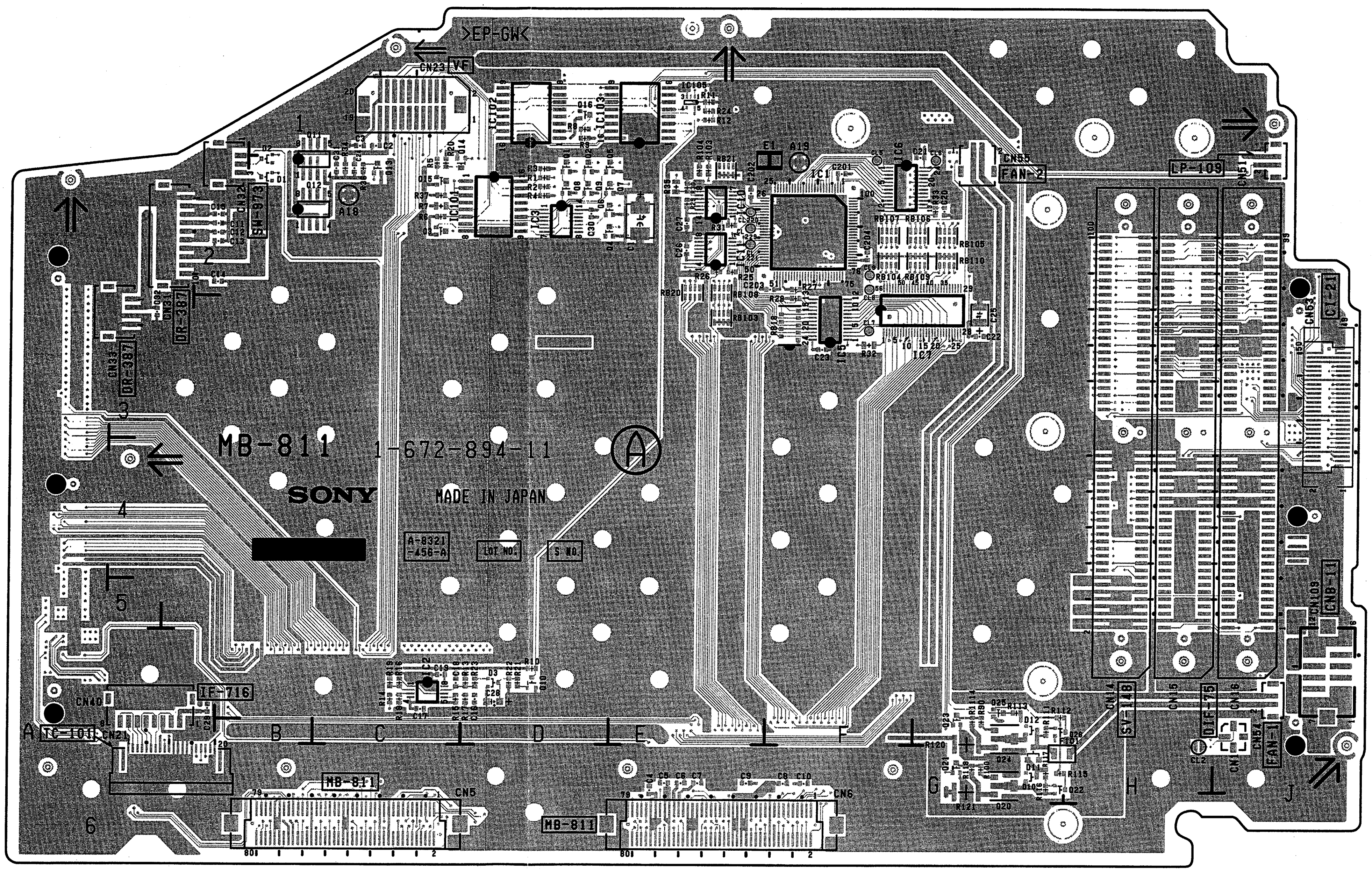

>EP-GW<
MB-811 1-672-894-12
B
SONY
MADE IN JAPAN
RE-160
HN-139
1
2
3
4
5
6
A
B
C
D
E
F
G
H
J

MB-811 -B SIDE-
SUFFIX:-12

MB-811 (1-672-894-11)

*:B SIDE

C1	E2
C2	C1
C3	C1
C4	E6
C5	E6
C6	E6
C7	E6
C8	F6
C9	E6
C10	F6
C11	B2
C12	B2
C13	B2
C14	B2
C15	B2
C16	D5
C17	C5
C18	C5
C19	C5
C20	G2
C21	G2
C22	G3
C23	F3
C24	C2
C25	G3
C26	E2
C27	E2
C28	D5
C29	B5
C30	D2
C31	C2
C32	A3
C201	F2
C202	E2
C203	F2
C204	F2
CL2	H6
CL5	F2
CL6	G2
CL7	F3
CL8	F2
CL9	F2
CL220	E2
CL221	E2
CL229	E2
CN1	J6
CN5	C6
CN6	E6
CN12	*A4
CN14	H3
CN15	H3
CN16	J3
CN20	*J4
CN21	B6
CN23	C1
CN31	B2
CN32	B2
CN33	A3
CN40	A5
CN51	J2
CN53	J3
CN54	J5
CN55	G2
CN109	J5
D1	B2
D2	B2
D3	D5
D10	G6
D11	G6
D12	G6
E1	F2
F101	G6
IC1	F2
IC2	C5
IC3	D2
IC5	F3
IC6	F2
IC7	F3
IC10	E2
IC11	E2
IC101	D2
IC102	D1
IC103	E1
IC105	E1
Q1	D2
Q2	D2
Q3	C2
Q4	D2
Q5	D2
Q6	D2
Q7	D2
Q8	D2
Q9	D2
Q10	D5
Q11	B2
Q12	B2
Q13	C2
Q14	C2
Q15	C2
Q16	D1
Q20	G6
Q21	G6
Q22	G6
Q23	G5
Q24	G6
Q25	G5
Q26	G6
R1	D2
R2	D2
R3	D2
R4	D2
R5	C2
R6	C2
R7	C2
R8	D1
R9	D1
R10	D5
R11	E1
R12	E1
R13	D5
R14	C5
R15	C5
R16	C5
R17	D5
R18	C5
R19	C5
R20	C2
R21	D5
R22	D5
R23	D5
R24	E1
R25	E2
R26	E2
R27	F2
R28	F3
R29	E2
R30	E2
R31	E2
R32	F3
R33	G2
R34	C2
R35	E2
R36	C2
R37	C2
R90	G6
R100	G6
R103	E2
R104	E2
R111	G6
R112	G5
R113	G5
R115	G6
R116	G6
R117	G6
R118	G6
R120	G6
R121	G6
R1114	G6
RB18	F3
RB20	E2
RB21	E2
RB103	E3
RB104	F2
RB105	G2
RB106	G2
RB107	F2
RB108	E2
RB109	G2
RB110	G2



>EP-GW<
CN23 VE
CN55 FAN-2
LP-109
CN53 CT-21
CN109 CNB-11
CN14 SV-148
CN15 DIF-75
CN54 FAN-1
CN31 DR-387
CN32 DR-387
CN33 DR-387
SW-873
IF-716
CN40
TC-101 CN21
MB-811 1-672-894-11
SONY
MADE IN JAPAN
A-8321-456-A
LOT NO.
S NO.
MB-811
CN5
CN6
IC1
IC7
E1
A
B
C
D
E
F
G
H
J
1
2
3
4
5
6

Lot No. : 810 through 812

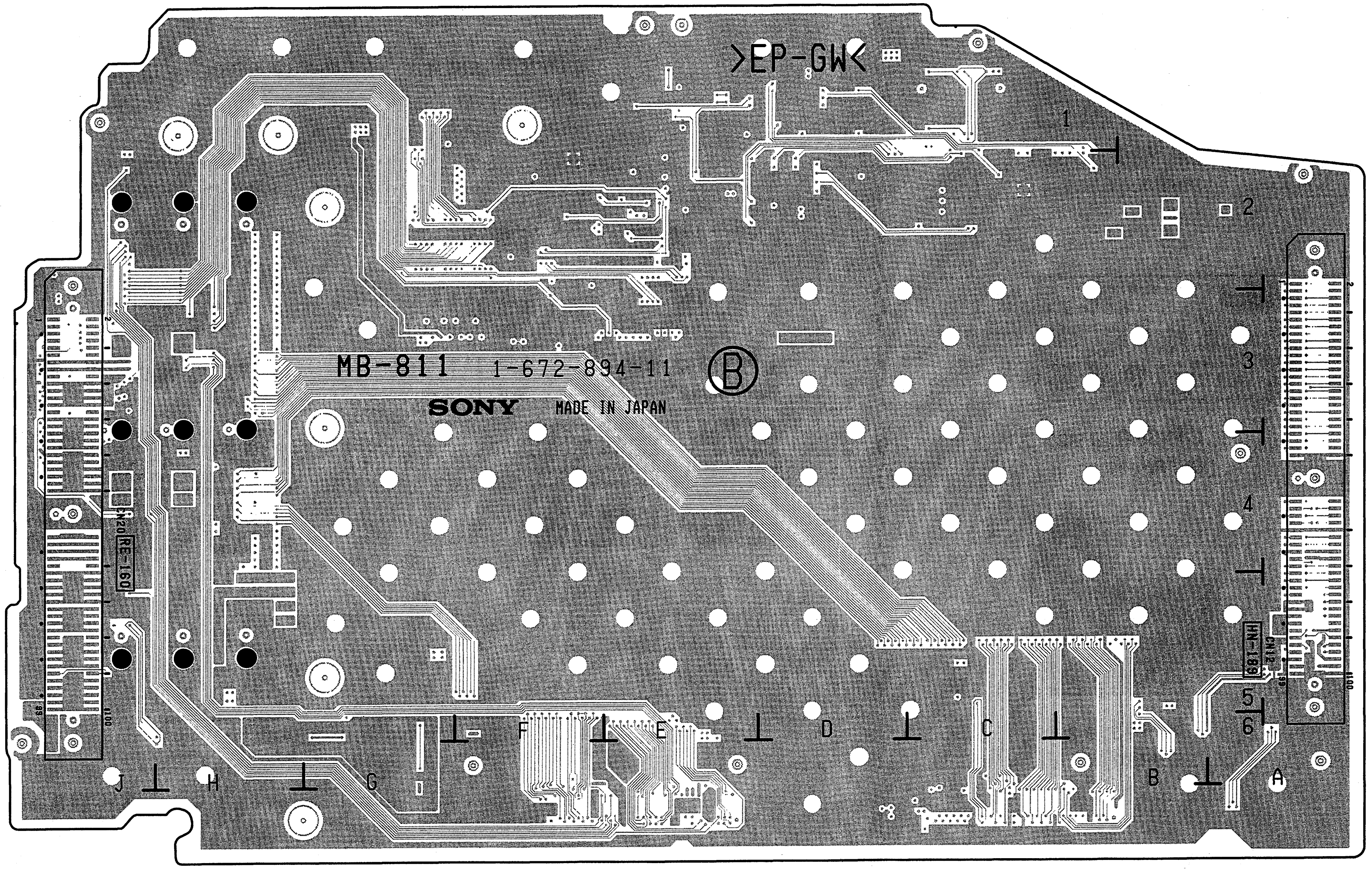
MB-811 -A SIDE-

SUFFIX:-11

DVW-707 (J) : S/N 30001 through 30005
DVW-707 (SY) : S/N 10001 through 10010
DVW-707P : S/N 40001 through 40020

DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10025
DVW-709WSP : S/N 40001 through 40070

DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10015
DVW-790WSP : S/N 40001 through 40060

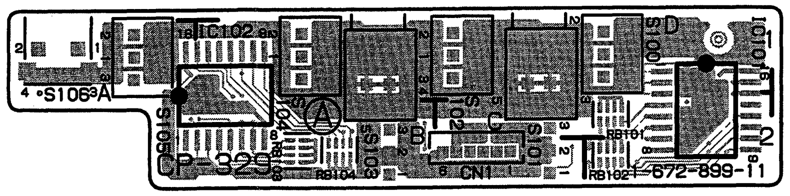

>EP-GW<
MB-811 1-672-894-11
B
SONY
MADE IN JAPAN
1
2
3
4
5
6
A
B
C
D
E
F
G
H
J
RE-160
HN-189

MB-811 -B SIDE-
SUFFIX:-11

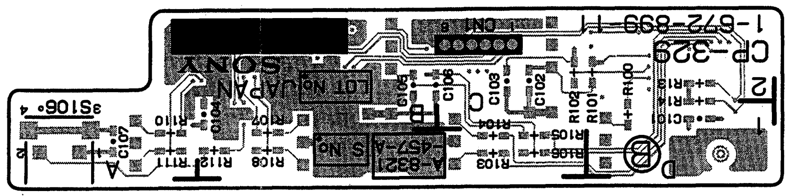
CP-329 (1-672-899-11)

*:B SIDE

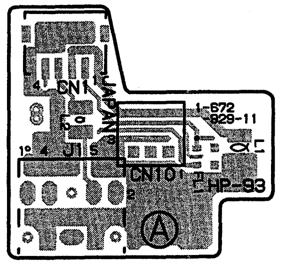
C101	*D1
C102	*C2
C103	*C2
C104	*B1
C105	*B2
C106	*B2
C107	*A1
CN1	C2
IC101	D1
IC102	A2
R13	*D2
R14	*D1
R100	*D1
R101	*D2
R102	*C2
R103	*C1
R104	*C1
R105	*C1
R106	*C1
R107	*B1
R108	*B1
R110	*A1
R111	*A1
R112	*B1
RB101	D2
RB102	D2
RB103	B2
RB104	B2
S100	D1
S101	C2
S102	C1
S103	B2
S104	B1
S105	A1
S106	A1


CP-329
1-672-899-11
CN1
IC101
IC102
S100
S101
S102
S103
S106
A
B
C
D
1
2

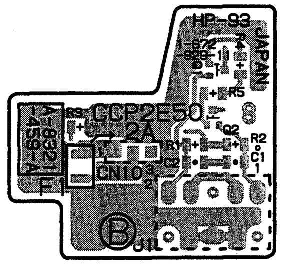
CP-329 -A SIDE-
SUFFIX:-11


1-672-899-11
CP-329
SONY
JAPAN
LOT NO.
S No.
CN1
S106
A
D
1
2

CP-329 -B SIDE-
SUFFIX:-11


CN1
JAPAN
1-672-929-11
CN101
HP-93
A

HP-93 -A SIDE-
SUFFIX:-11

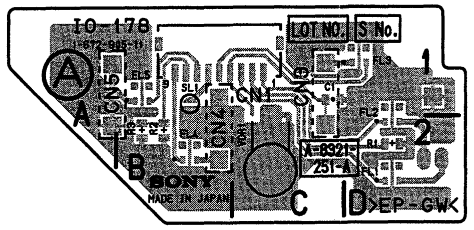

HP-93
JAPAN
CCP2E50
CN103
B

HP-93 -B SIDE-
SUFFIX:-11

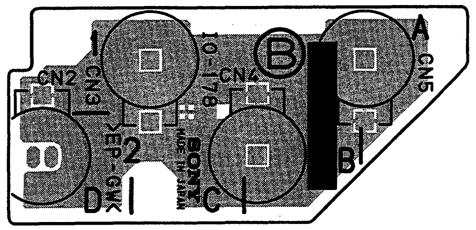
IO-178 (1-672-905-11)

*:B SIDE

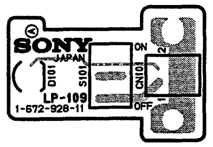
C1	C1
CN1	B1
CN2	*D2
CN3	*C1
CN4	*B2
CN5	*A1
FL1	D2
FL2	D1
FL3	D1
FL4	B2
FL5	B1
R1	D2
R2	B2
R3	B2
SL1	B1


IO-178
LOT NO.
S No.
A
B
C
D
CN1
CN5
SONY
MADE IN JAPAN
EP-GWK
1
2

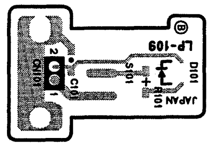
IO-178 -A SIDE-
SUFFIX:-11


CN2
CN3
CN4
CN5
IO-178
SONY
MADE IN JAPAN
EP-GWK
A
B
C
D
1
2

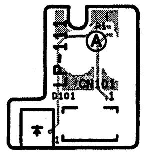
IO-178 -B SIDE-
SUFFIX:-11

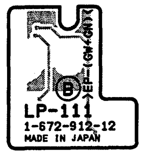

SONY
JAPAN
LP-109
1-672-928-11
ON
OFF
A

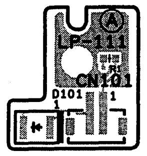
LP-109 -A SIDE-
SUFFIX:-11

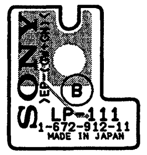

LP-109
JAPAN
CN101
B

LP-109 -B SIDE-
SUFFIX:-11


LP-111
A
D101
CN101


LP-111
1-672-912-12
MADE IN JAPAN
B


LP-111
A
CN101
D101


SONY
LP-111
1-672-912-11
MADE IN JAPAN
B

LP-111 -A SIDE-
SUFFIX:-12

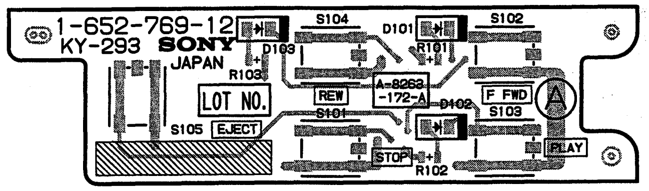
LP-111 -B SIDE-
SUFFIX:-12

DVW-707 (J) : S/N 30006 and Higher
DVW-707 (SY) : S/N 10046 and Higher
DVW-707P : S/N 40101 and Higher
DVW-709WS (J) : S/N 30006 and Higher
DVW-709WS (SY) : S/N 10066 and Higher
DVW-709WSP : S/N 40141 and Higher
DVW-790WS (J) : S/N 30006 and Higher
DVW-790WS (SY) : S/N 10056 and Higher
DVW-790WSP : S/N 40156 and Higher

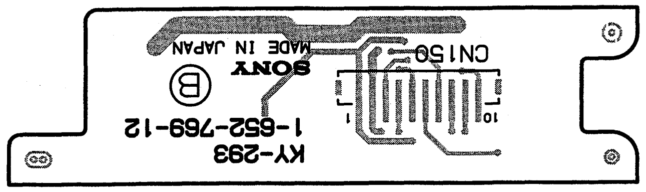
LP-111 -A SIDE-
SUFFIX:-11

LP-111 -B SIDE-
SUFFIX:-11

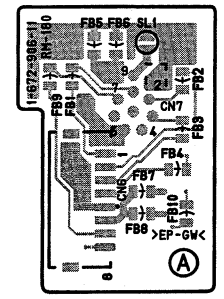
DVW-707 (J) : S/N 30001 through 30005
DVW-707 (SY) : S/N 10001 through 10045
DVW-707P : S/N 40001 through 40100
DVW-709WS (J) : S/N 30001 through 30005
DVW-709WS (SY) : S/N 10001 through 10065
DVW-709WSP : S/N 40001 through 40140
DVW-790WS (J) : S/N 30001 through 30005
DVW-790WS (SY) : S/N 10001 through 10055
DVW-790WSP : S/N 40001 through 40155


1-652-769-12
KY-293
SONY
JAPAN
LOT NO.
S104
S102
D101
D103
R101
R103
A-8263-172-A
REW
F FWD
S101
D102
S103
S105
EJECT
STOP
R102
PLAY
A

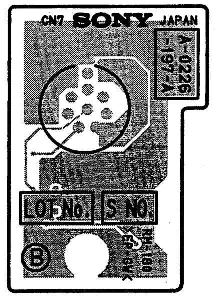
KY-293 -A SIDE-
SUFFIX:-12


MADE IN JAPAN
SONY
CN150
B
1-652-769-12
KY-293

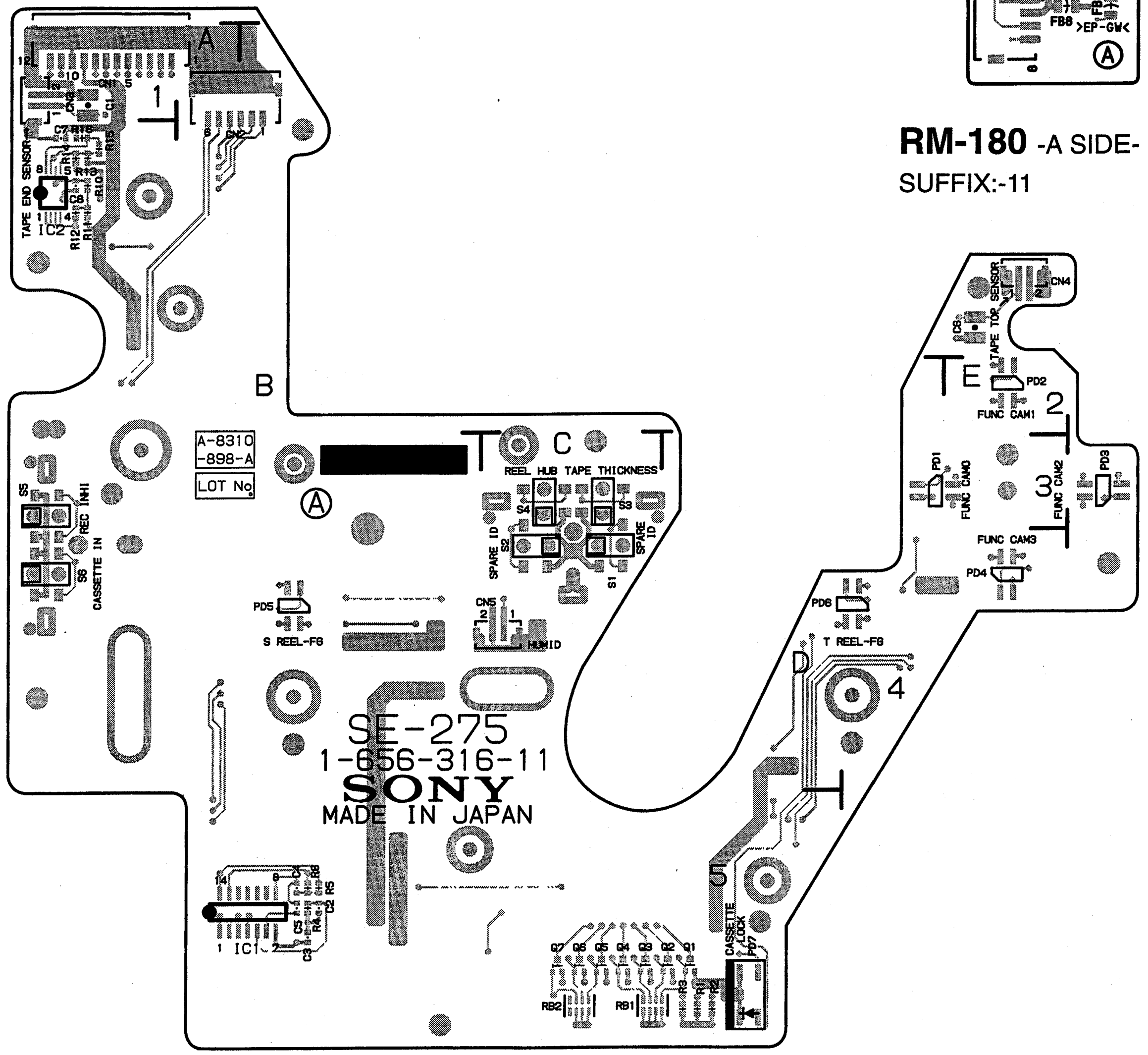
KY-293 -B SIDE-
SUFFIX:-12


RM-180
FB5 FB6 SL1
CN7
FB1 FB2 FB3 FB4 FB7 FB8 FB9 FB10
>EP-GW<
Ⓐ

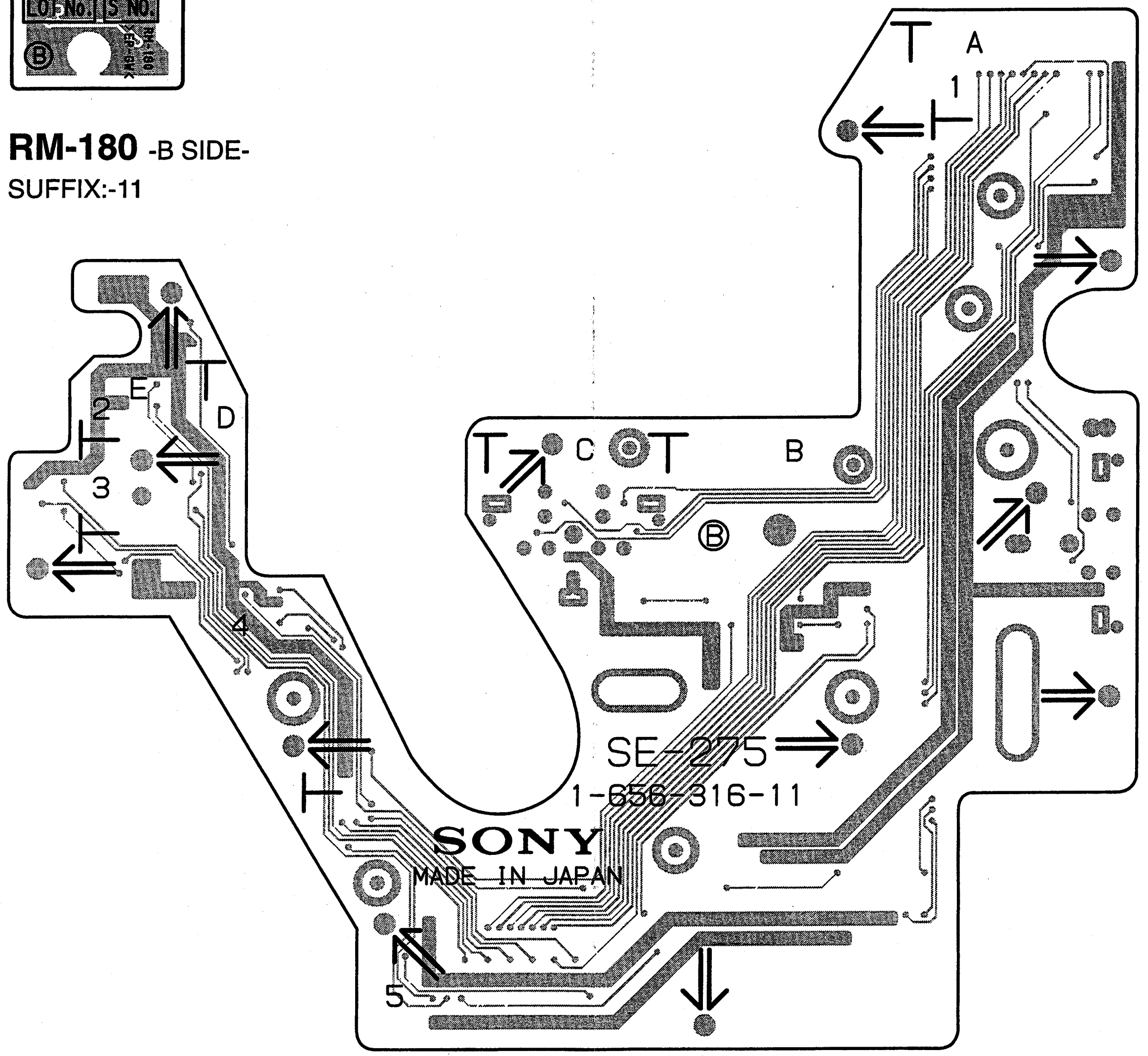
RM-180 -A SIDE-
SUFFIX:-11


CN7 SONY JAPAN
A-0226-197-A
LOT No.
S NO.
Ⓑ

RM-180 -B SIDE-
SUFFIX:-11


A
B
C
D
E
1
2
3
4
5
CN1
CN4
CN5
IC1
IC2
TAPE END SENSOR
A-8310-898-A
LOT No
Ⓐ
REEL HUB
TAPE THICKNESS
SPARE ID
REC INH
CASSETTE IN
PD5
S REEL-FG
PD6
T REEL-FG
HUMID
FUNC CAM1
FUNC CAM2
FUNC CAM3
TAPE TOP SENSOR
CASSETTE LOCK
RB1
RB2
SE-275
1-656-316-11
SONY
MADE IN JAPAN

SE-275 -A SIDE-
SUFFIX:-11


A
B
C
D
E
1
2
3
4
5
Ⓑ
SE-275
1-656-316-11
SONY
MADE IN JAPAN

SE-275 -B SIDE-
SUFFIX:-11

SE-275 (1-656-316-11)

*:B SIDE

CN1	A1	IC1	A5	Q4	C5	R10	A2
CN2	A1	IC2	A2	Q5	C5	R11	A2
CN3	A1			Q6	C5	R12	A2
CN4	E2	PD1	D3	Q7	C5	R13	A2
CN5	C4	PD2	E2			R14	A2
		PD3	E3	RB1	C5	R15	A2
C1	A1	PD4	E4	RB2	C5	R16	A2
C2	B5	PD5	B4				
C3	B5	PD6	D4	R1	D5	S1	C4
C4	B5	PD7	D5	R2	D5	S2	C4
C5	B5			R3	D5	S3	C3
C6	E2	Q1	D5	R4	B5	S4	C3
C7	A2	Q2	D5	R5	B5	S5	A3
C8	A2	Q3	C5	R6	B5	S6	A4

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SW-971 (1-672-907-11)
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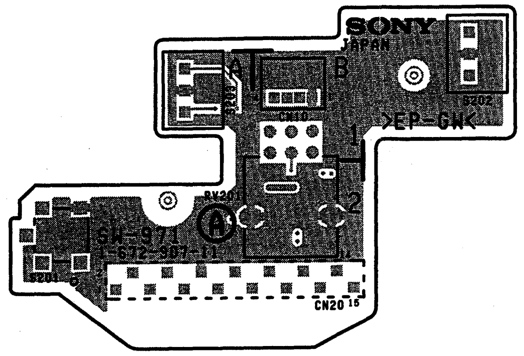
*:B SIDE

C201    *B1
C202    *A1
C203    *A1
C204    *B1
C205    *A1
C206    *A2
C207    *A2
C208    *B2

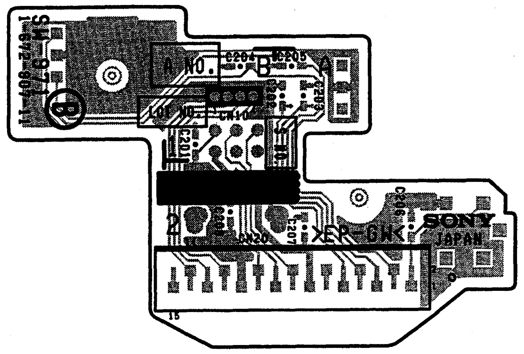
CN10     B1
CN20    *A2

RV201    B2

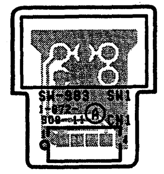
S201     A2
S202     B1
S203     A1
```


SONY
JAPAN
A
B
S202
>EP-GW<
RV201
SW-971
S201
CN20

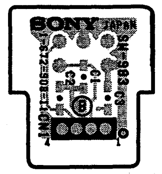
SW-971 -A SIDE-
SUFFIX:-11


A NO.
B
SONY
JAPAN
>EP-GW<
CN10
CN20

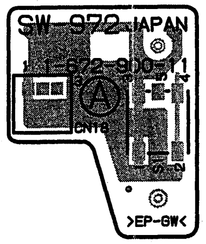
SW-971 -B SIDE-
SUFFIX:-11



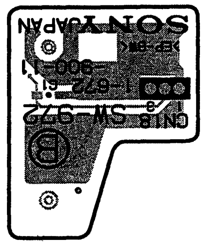
SW-983 -A SIDE-
SUFFIX:-11


SONY
JAPAN
B
CN1

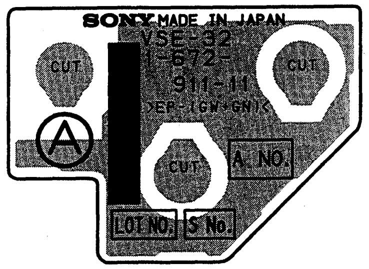
SW-983 -B SIDE-
SUFFIX:-11


SW-972
JAPAN
A
CN1
>EP-GW<

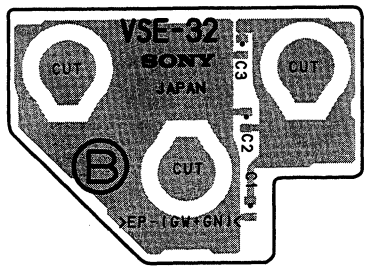
SW-972 -A SIDE-
SUFFIX:-11


SONY
JAPAN
CN18
SW-972
B

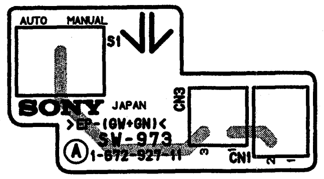
SW-972 -B SIDE-
SUFFIX:-11


SONY
MADE IN JAPAN
VSE-32
CUT
CUT
CUT
A
>EP-(GW+GN)<
A NO.
LOT NO.
S No.

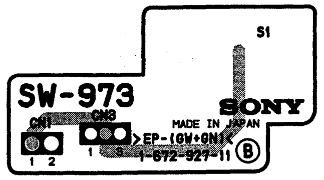
VSE-32 -A SIDE-
SUFFIX:-11


VSE-32
SONY
JAPAN
CUT
CUT
CUT
C3
C2
C1
B
>EP-(GW+GN)<

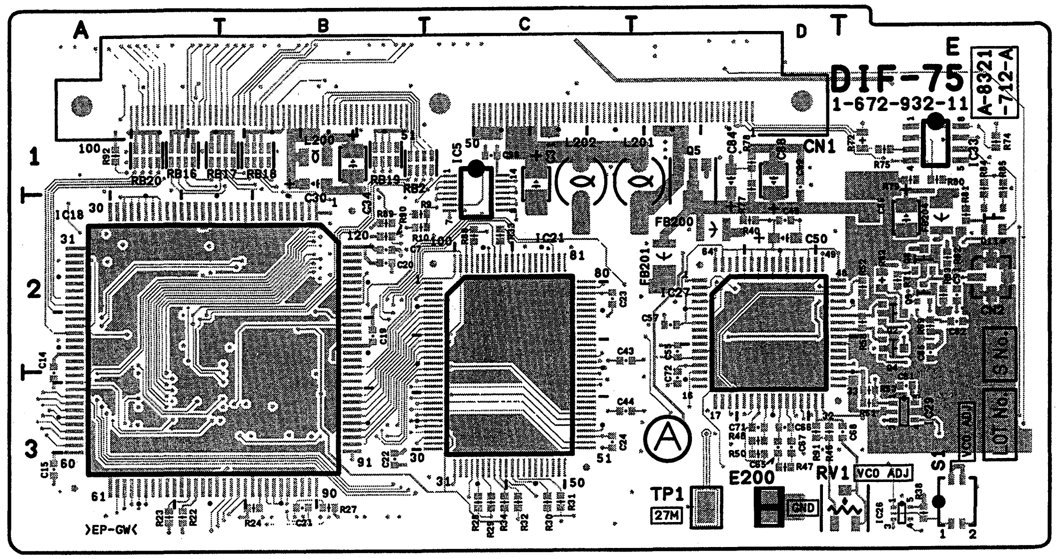
VSE-32 -B SIDE-
SUFFIX:-11


AUTO
MANUAL
S1
SONY
JAPAN
CN3
>EP-(GW+GN)<
SW-973
A
1-672-927-11
CN1

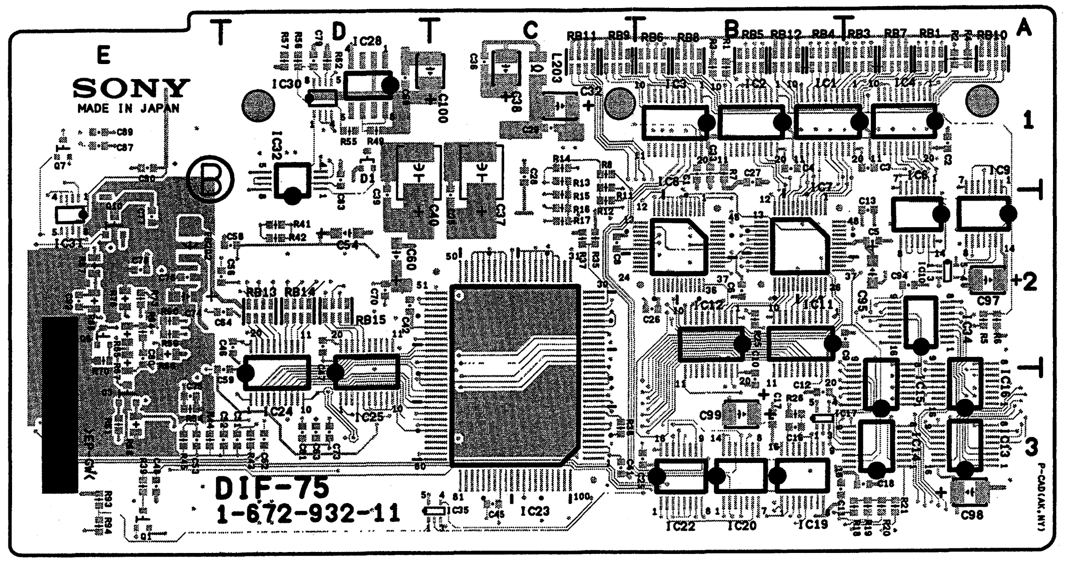
SW-973 -A SIDE-
SUFFIX:-11


S1
SW-973
SONY
CN1
CN3
>EP-(GW+GN)<
MADE IN JAPAN
1-672-927-11
B

SW-973 -B SIDE-
SUFFIX:-11



DIF-75 -A SIDE-
SUFFIX:-11



DIF-75 -B SIDE-
SUFFIX:-11

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DIF-75 (1-672-932-11)
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*:B SIDE

C1	*B1	C40	*D1	C79	*D1	IC5	C2	Q3	*E3	R30	C3	R69	E2	RB13	*D2
C2	*A1	C41	*C3	C80	*E2	IC6	*A2	Q4	E2	R31	C3	R70	*E2	RB14	*D2
C3	*A1	C42	*D2	C81	E3	IC7	*B2	Q5	D1	R32	C3	R71	E2	RB15	*D2
C4	*B1	C43	C2	C82	E2	IC8	*B2	Q6	*E2	R33	C2	R72	E1	RB16	A1
C5	*A2	C44	C3	C83	*D1	IC9	*A2	Q7	*E1	R34	C3	R73	*E2	RB17	B1
C6	*B2	C45	*C3	C84	D1	IC10	*A2	Q8	E2	R35	*C2	R74	E1	RB18	B1
C7	B2	C46	*D2	C85	E2	IC11	*B2	Q9	E2	R36	*C3	R75	E1	RB19	B1
C8	*C2	C47	*D2	C86	E2	IC12	*B2	Q10	*E2	R37	*C2	R76	*E2	RB20	A1
C9	*A2	C48	*E3	C87	*E1	IC13	*A3	Q11	E2	R38	E3	R77	D1		
C10	*B3	C49	D2	C88	D1	IC14	*A3			R39	*E3	R78	D1	RV1	E3
C11	*B3	C50	D2	C89	*E1	IC15	*A3	R1	*B1	R40	D2	R79	E1		
C12	*B3	C51	*D3	C90	*E1	IC16	*A3	R2	*A1	R41	*D2	R80	E1	S1	E3
C13	*A2	C52	*D3	C91	E2	IC17	*B3	R3	*B1	R42	*D2	R81	E2		
C14	A3	C53	*E3	C92	D1	IC18	A2	R4	*A1	R43	*D3	R82	E2	TP1	D3
C15	A3	C54	*D2	C93	*E2	IC19	*B3	R5	*A2	R44	*E3	R83	E2		
C16	*B3	C55	D2	C94	*A2	IC20	*B3	R6	*A2	R45	*E3	R84	E1		
C17	*B3	C56	*D2	C95	*A2	IC21	C2	R7	*B1	R46	D3	R85	E1		
C18	*A3	C57	D2	C96	C1	IC22	*B3	R8	*C1	R47	D3	R86	*E2		
C19	B2	C58	*D2	C97	*A2	IC23	*C3	R9	B2	R48	D3	R87	*E2		
C20	B2	C59	*D2	C98	*A3	IC24	*D3	R10	B2	R49	*D1	R88	C2		
C21	B3	C60	*D2	C99	*B3	IC25	*D3	R11	*C1	R50	D3	R89	B2		
C22	B3	C61	*D3	C100	*C1	IC26	E3	R12	*C2	R51	E3	R90	B2		
C23	C2	C62	*D3			IC27	D2	R13	*C1	R52	E2	R91	D3		
C24	C3	C63	*D3	CN1	C1	IC28	*D1	R14	*C1	R53	E3	R92	A1		
C25	*B3	C64	*D2	CN2	E2	IC29	E3	R15	*C2	R54	*E3	R93	*E3		
C26	*B2	C65	D3			IC30	*D1	R16	*C2	R55	*D1	R94	*E3		
C27	*B1	C66	D3	D1	*D1	IC31	*E2	R17	*C2	R56	*D1				
C28	*C1	C67	D3			IC32	*D1	R18	*A3	R57	*D1	RB1	*A1		
C29	*C1	C68	E3	E200	D3	IC33	E1	R19	*A3	R58	E2	RB2	B1		
C30	B1	C69	*D1			IC34	*A2	R20	*A3	R59	*E2	RB3	*A1		
C31	C1	C70	*D2	FB200	D2	IC35	*C3	R21	*A3	R60	*E2	RB4	*B1		
C32	*C1	C71	D3	FB201	D2			R22	A3	R61	*E3	RB5	*B1		
C33	*B1	C72	D3	FB202	*E2	L200	B1	R23	A3	R62	*D1	RB6	*B1		
C34	B1	C73	*D3	FB204	E2	L201	D1	R24	B3	R63	E2	RB7	*A1		
C35	*C2	C74	*E2			L202	C1	R25	*B2	R64	*E2	RB8	*B1		
C36	*C1	C75	*E3	IC1	*B1	L203	*C1	R26	*B3	R65	*E2	RB9	*C1		
C37	*C1	C76	*E2	IC2	*B1			R27	B3	R66	*E2	RB10	*A1		
C38	*C1	C77	*E2	IC3	*B1	Q1	*E3	R28	C3	R67	*E2	RB11	*C1		
C39	*D2	C78	*E2	IC4	*A1	Q2	E2	R29	C3	R68	*E3	RB12	*B1		

FM-65 (1-672-937-12)
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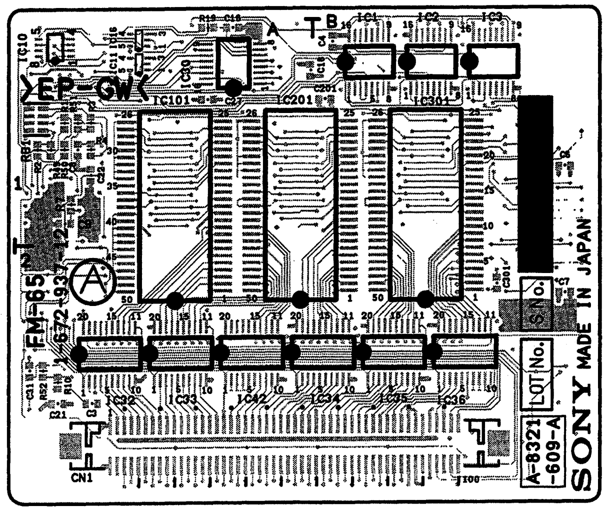
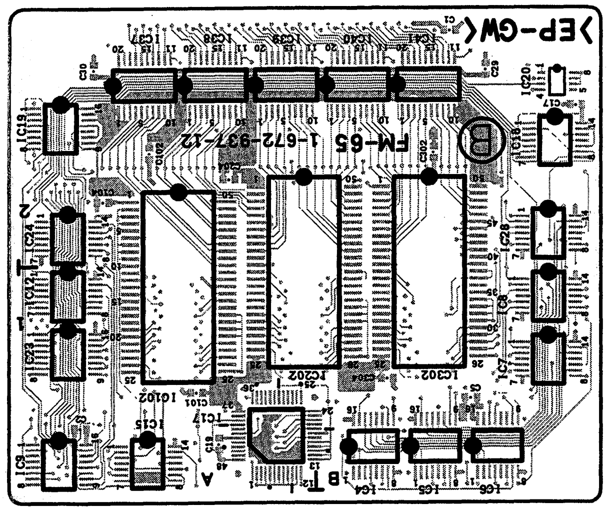
*:B SIDE

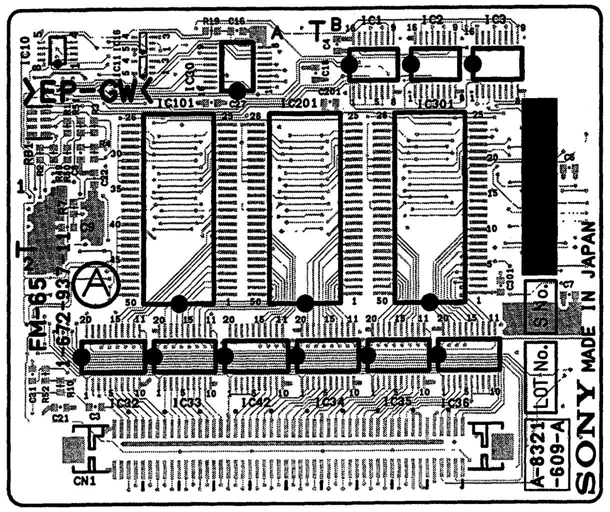
C1	*B2	R2	A1
C2	*A1	R4	A1
C3	A2	R7	A1
C4	B1	R10	A2
C5	*B1	R19	A1
C6	B1	R49	A1
C7	B2	R51	A1
C9	A1	R52	A2
C17	*B2		
C18	A1	RB1	A1
C19	*A1		
C21	A2		
C22	A1		
C27	A1		
C29	*B2		
C30	*A2		
C101	*A1		
C102	*A2		
C104	*A2		
C201	B1		
C204	*A2		
C301	B2		
C302	*B2		
C304	*B1		
CN1	A2		
IC1	B1		
IC2	B1		
IC3	B1		
IC4	*B1		
IC5	*B1		
IC6	*B1		
IC7	*B1		
IC8	*B1		
IC9	*A1		
IC10	A1		
IC11	A1		
IC12	*A1		
IC15	*A1		
IC16	A1		
IC17	*A1		
IC18	*B2		
IC19	*A2		
IC20	*B2		
IC23	*A1		
IC24	*A2		
IC28	*B2		
IC30	A1		
IC32	A2		
IC33	A2		
IC34	B2		
IC35	B2		
IC36	B2		
IC37	*A2		
IC38	*A2		
IC39	*A2		
IC40	*B2		
IC41	*B2		
IC42	A2		
IC101	A1		
IC102	*A1		
IC201	A1		
IC202	*A1		
IC301	B1		
IC302	*B1		


EP-GW
FM-65
1-672-937-12
A
T
B
IC1
IC2
IC3
IC101
IC201
IC301
IC32
IC33
IC42
IC34
IC35
IC36
CN1
S/No.
LOT No.
A-8321-609-A
SONY MADE IN JAPAN

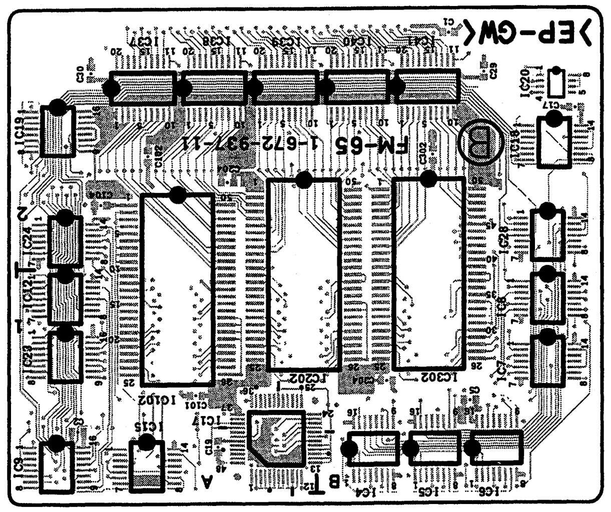
FM-65 -A SIDE-
SUFFIX:-12


EP-GW
FM-65 1-672-937-12
B
IC102
IC202
IC302
IC15
IC17
IC4
IC5
IC6

FM-65 -B SIDE-
SUFFIX:-12


EP-GW
FM-65
1-672-937-11
A
T
B
IC1
IC2
IC3
IC101
IC201
IC301
IC32
IC33
IC42
IC34
IC35
IC36
CN1
S/No.
LOT No.
A-8321-609-A
SONY MADE IN JAPAN

FM-65 -A SIDE-
SUFFIX:-11


EP-GW
FM-65 1-672-937-11
B
IC102
IC202
IC302
IC15
IC17
IC4
IC5
IC6

FM-65 -B SIDE-
SUFFIX:-11

FM-65 (1-672-937-11)
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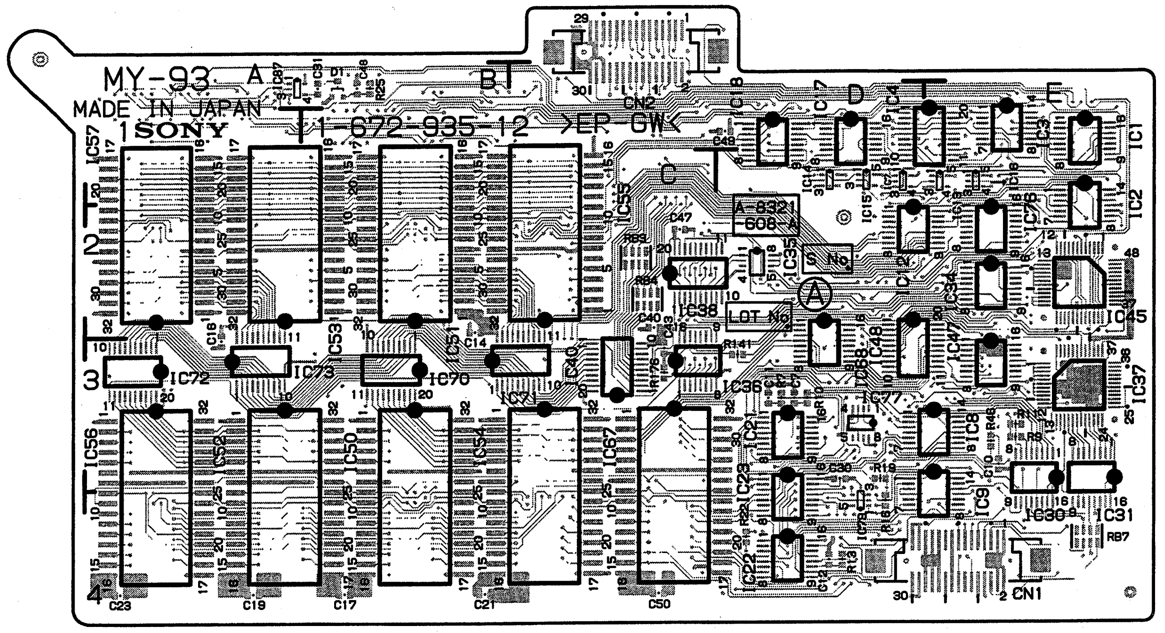
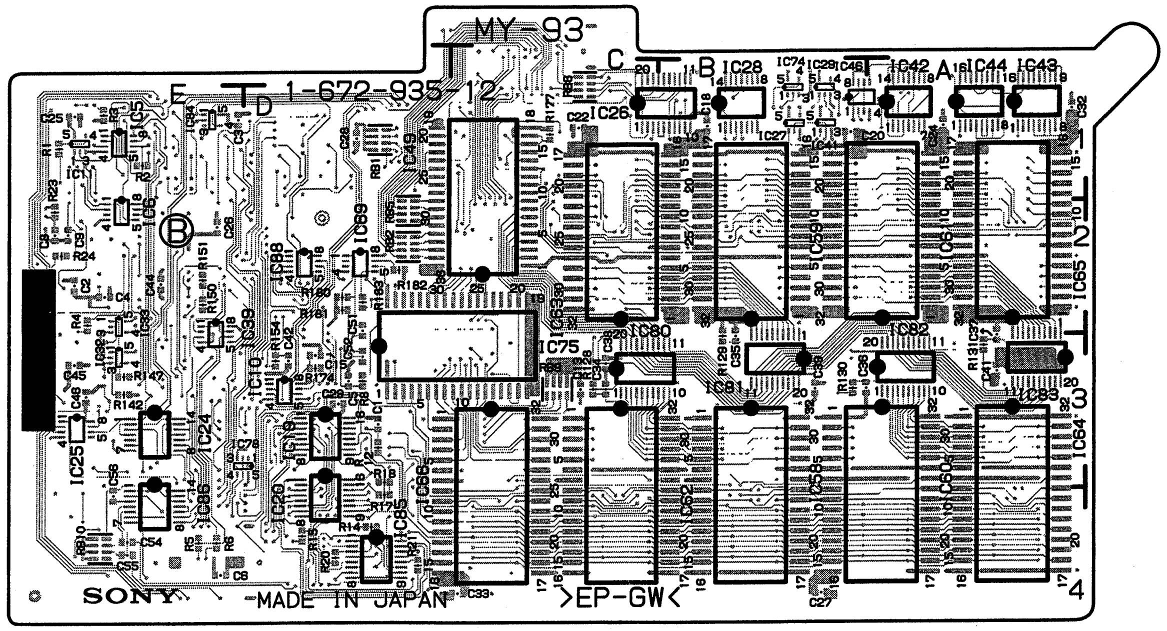
*:B SIDE

C1	*B2	R1	A1
C2	*A1	R2	A1
C3	A2	R3	A1
C4	B1	R4	A1
C5	*B1	R7	A1
C6	B1.	R10	A2
C7	B2	R19	A1
C8	A1	R49	A1
C9	A1	R50	A1
C16	A1	R51	A1
C17	*B2	R52	A2
C18	A1		
C19	*A1	RB1	A1
C21	A2		
C22	A1		
C27	A1		
C29	*B2		
C30	*A2		
C31	A2		
C101	*A1		
C102	*A2		
C104	*A2		
C201	B1		
C204	*A2		
C301	B2		
C302	*B2		
C304	*B1		
CN1	A2		
IC1	B1		
IC2	B1		
IC3	B1		
IC4	*B1		
IC5	*B1		
IC6	*B1		
IC7	*B1		
IC8	*B1		
IC9	*A1		
IC10	A1		
IC11	A1		
IC12	*A1		
IC15	*A1		
IC16	A1		
IC17	*A1		
IC18	*B2		
IC19	*A2		
IC20	*B2		
IC23	*A1		
IC24	*A2		
IC28	*B2		
IC30	A1		
IC32	A2		
IC33	A2		
IC34	B2		
IC35	B2		
IC36	B2		
IC37	*A2		
IC38	*A2		
IC39	*A2		
IC40	*B2		
IC41	*B2		
IC42	A2		
IC101	A1		
IC102	*A1		
IC201	A1		
IC202	*A1		
IC301	B1		
IC302	*B1		


MY-93 A
MADE IN JAPAN
SONY
1-672-935-12
>EP-GW<
A
B
C
D
E
1
2
3
4
CN1
CN2
A-8321
608
S No
LOT No
IC1
IC2
IC45
IC37
IC30
IC31
IC70
IC71
IC72
IC73

MY-93 -A SIDE-
SUFFIX:-12

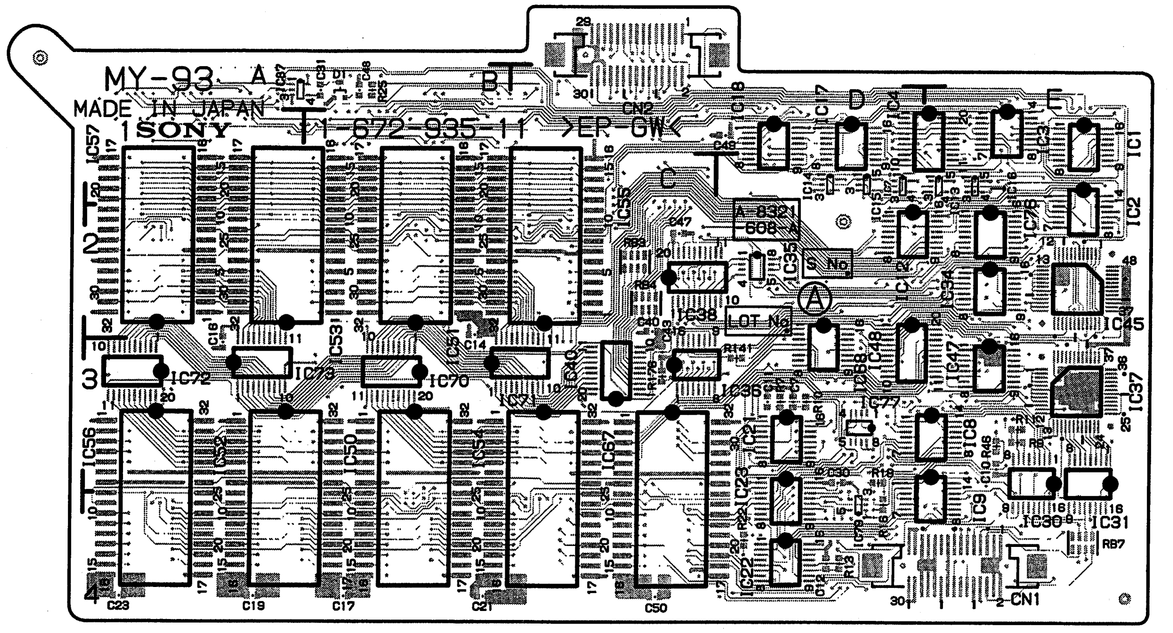

MY-93
1-672-935-12
SONY
MADE IN JAPAN
>EP-GW<
A
B
C
D
E
1
2
3
4
IC26
IC28
IC42
IC44
IC43
IC75
IC80
IC82
IC83
IC84
IC85

MY-93 -B SIDE-
SUFFIX:-12

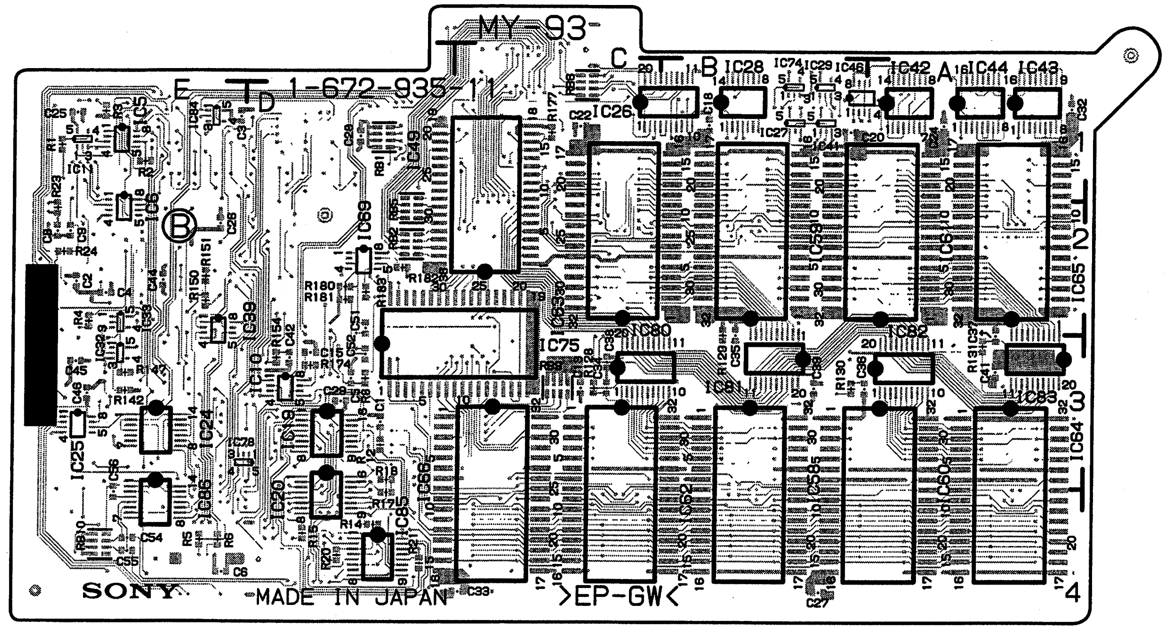
MY-93 (1-672-935-12)
----

*:B SIDE

C1	*D3	C43	C3	IC24	*E3	IC66	*D3	R19	D3
C2	*E2	C44	*E2	IC25	*E3	IC67	C3	R20	*D4
C3	*E1	C45	*E3	IC26	*C1	IC68	D2	R21	*D4
C4	*E2	C46	*E3	IC27	*B1	IC69	*D2	R22	D4
C5	*D3	C47	C2	IC28	*B1	IC70	B3	R23	*E2
C6	*E4	C48	B1	IC29	*B1	IC71	B3	R24	*E2
C7	D3	C49	D1	IC30	E3	IC72	A3	R25	B1
C8	*E2	C50	C4	IC31	E3	IC73	A3	R46	E3
C9	*E2	C51	*D2	IC32	*E3	IC74	*B1	R128	*C3
C10	E3	C52	*D3	IC33	*E2	IC75	*D3	R129	*B3
C11	D3	C54	*E4	IC34	E2	IC76	E2	R130	*B3
C12	D4	C55	*E4	IC35	D2	IC77	D3	R131	*A3
C13	*C3	C56	*E4	IC36	C3	IC78	*E3	R141	D3
C14	B2			IC37	E3	IC79	D4	R142	*E3
C15	*D3	CN1	E4	IC38	C2	IC80	*C3	R147	*E3
C16	A3	CN2	C1	IC39	*E2	IC81	*B2	R150	*E2
C17	B4			IC40	C3	IC82	*A3	R151	*E2
C18	*B1	D1	B1	IC41	*B1	IC83	*A2	R154	*D3
C19	A4			IC42	*A1	IC84	*E1	R174	*D3
C20	*B1	IC1	E1	IC43	*A1	IC85	*D4	R176	C3
C21	B4	IC2	E1	IC44	*A1	IC86	*E3	R177	*C1
C22	*C1	IC3	E1	IC45	E2	IC87	A1	R180	*D2
C23	A4	IC4	D1	IC46	*B1	IC88	*D2	R181	*D2
C24	*A1	IC5	*E1	IC47	E3			R182	*D2
C25	*E1	IC6	*E2	IC48	D2	R1	*E1	R183	*D2
C26	*E2	IC7	D1	IC49	*C2	R2	*E1		
C27	*B4	IC8	D3	IC50	B3	R3	*E1	RB1	*D1
C28	*D1	IC9	D3	IC51	B2	R4	*E2	RB2	*D2
C29	*D3	IC10	*D3	IC52	A3	R5	*E4	RB3	C2
C30	D3	IC11	*E1	IC53	B2	R6	*E4	RB4	C2
C31	B1	IC12	D2	IC54	B3	R7	D3	RB5	*D2
C32	*A1	IC13	E1	IC55	C2	R8	*D3	RB6	*C1
C33	*C4	IC14	D1	IC56	A3	R9	E3	RB7	E4
C34	*C3	IC15	D1	IC57	A2	R10	D3	RB9	*C3
C35	*B3	IC16	E1	IC58	*B3	R11	E3	RB10	*E4
C36	*B3	IC17	D1	IC59	*B2	R12	*D3		
C37	*A3	IC18	D1	IC60	*B3	R13	D4		
C38	*C3	IC19	*D3	IC61	*A2	R14	*D4		
C39	*B3	IC20	*D3	IC62	*C3	R15	*D4		
C40	C2	IC21	D3	IC63	*B2	R16	D4		
C41	*A3	IC22	D4	IC64	*A3	R17	*D4		
C42	*D3	IC23	D3	IC65	*A2	R18	*D3		



MY-93 -A SIDE-
SUFFIX:-11



MY-93 -B SIDE-
SUFFIX:-11

MY-93 (1-672-935-11)

*:B SIDE

C1	*D3	C43	C3	IC24	*E3	IC66	*D3	R20	*D4
C2	*E2	C44	*E2	IC25	*E3	IC67	C3	R21	*D4
C3	*E1	C45	*E3	IC26	*C1	IC68	D2	R22	D4
C4	*E2	C46	*E3	IC27	*B1	IC69	*D2	R23	*E2
C5	*D3	C47	C2	IC28	*B1	IC70	B3	R24	*E2
C6	*E4	C48	B1	IC29	*B1	IC71	B3	R25	B1
C7	D3	C49	D1	IC30	E3	IC72	A3	R46	E3
C8	*E2	C50	C4	IC31	E3	IC73	A3	R128	*C3
C9	*E2	C51	*D2	IC32	*E3	IC74	*B1	R129	*B3
C10	E3	C52	*D3	IC33	*E2	IC75	*D3	R130	*B3
C11	D3	C54	*E4	IC34	E2	IC76	E2	R131	*A3
C12	D4	C55	*E4	IC35	D2	IC77	D3	R141	D3
C13	*C3	C56	*E4	IC36	C3	IC78	*E3	R142	*E3
C14	B2			IC37	E3	IC79	D4	R147	*E3
C15	*D3	CN1	E4	IC38	C2	IC80	*C3	R150	*E2
C16	A3	CN2	C1	IC39	*E2	IC81	*B2	R151	*E2
C17	B4			IC40	C3	IC82	*A3	R154	*D3
C18	*B1	D1	B1	IC41	*B1	IC83	*A2	R174	*D3
C19	A4			IC42	*A1	IC84	*E1	R176	C3
C20	*B1	IC1	E1	IC43	*A1	IC85	*D4	R177	*C1
C21	B4	IC2	E1	IC44	*A1	IC86	*E3	R180	*D2
C22	*C1	IC3	E1	IC45	E2	IC87	A1	R181	*D2
C23	A4	IC4	D1	IC46	*B1			R182	*D2
C24	*A1	IC5	*E1	IC47	E3	R1	*E1	R183	*D2
C25	*E1	IC6	*E2	IC48	D2	R2	*E1		
C26	*E2	IC7	D1	IC49	*C2	R3	*E1	RB1	*D1
C27	*B4	IC8	D3	IC50	B3	R4	*E2	RB2	*D2
C28	*D1	IC9	D3	IC51	B2	R5	*E4	RB3	C2
C29	*D3	IC10	*D3	IC52	A3	R6	*E4	RB4	C2
C30	D3	IC11	*E1	IC53	B2	R7	D3	RB5	*D2
C31	B1	IC12	D2	IC54	B3	R8	*D3	RB6	*C1
C32	*A1	IC13	E1	IC55	C2	R9	E3	RB7	E4
C33	*C4	IC14	D1	IC56	A3	R10	D3	RB9	*C3
C34	*C3	IC15	D1	IC57	A2	R11	E3	RB10	*E4
C35	*B3	IC16	E1	IC58	*B3	R12	*D3		
C36	*B3	IC17	D1	IC59	*B2	R13	D4		
C37	*A3	IC18	D1	IC60	*B3	R14	*D4		
C38	*C3	IC19	*D3	IC61	*A2	R15	*D4		
C39	*B3	IC20	*D3	IC62	*C3	R16	D4		
C40	C2	IC21	D3	IC63	*B2	R17	*D4		
C41	*A3	IC22	D4	IC64	*A3	R18	*D3		
C42	*D3	IC23	D3	IC65	*A2	R19	D3		

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